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(U.S.) Geological Survey, Lincoln, NE Water Resources Div

1975

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1974

Water Resources Data for Nebraska

Water Year 1974

Part 2. Water Quality Records

MARCH 3, 1849

UNITED STATES
DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NE-74-2

Prepared in cooperation with the Conservation and Survey Division of the University of Nebraska, the Nebraska Natural Resources Commission, the Nebraska Department of Water Resources, and with other State and Federal agencies.

CALENDAR FOR WATER YEAR 1974

1973

OCTOBER

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NOVEMBER

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1974

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AUGUST

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SEPTEMBER

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Water resources data for the 1974 water year for Nebraska consist of records of discharge and water quality of streams, and water quality of lakes and reservoirs. This report contains water quality for 65 gaging stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous analyses. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating local, State, and Federal agencies in Nebraska.

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for
Nebraska

Water Year 1974

Part 2. Water Quality Records

MARCH 3, 1849

UNITED STATES
DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NE-74-2

Prepared in cooperation with the Conservation and Survey Division of the
University of Nebraska, the Nebraska Natural Resources Commission, the
Nebraska Department of Water Resources, and with
other State and Federal agencies.

Prepared in cooperation with

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Nebraska Department of Water Resources
Nebraska Natural Resources Commission
Lower Platte South Natural Resources District
Bureau of Reclamation, U.S. Department of the Interior
U.S. Environmental Protection Agency
Corps of Engineers, U.S. Army

Water resources records, 1974, for Nebraska are in the following reports of the U.S. Geological Survey:

1. Water Resources Data for Nebraska
   Part 1. Surface Water Records

2. Water Resources Data for Nebraska
   Part 2. Water Quality Records

Copies of this report may be obtained from
District Chief, Water Resources Division
U.S. Geological Survey
Federal Building U.S. Courthouse
100 Centennial Mall North
Lincoln, Nebraska 68508

1975

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(Letters after station name designate type of data:
(c), chemical; (t), water temperature; (s), sediment)

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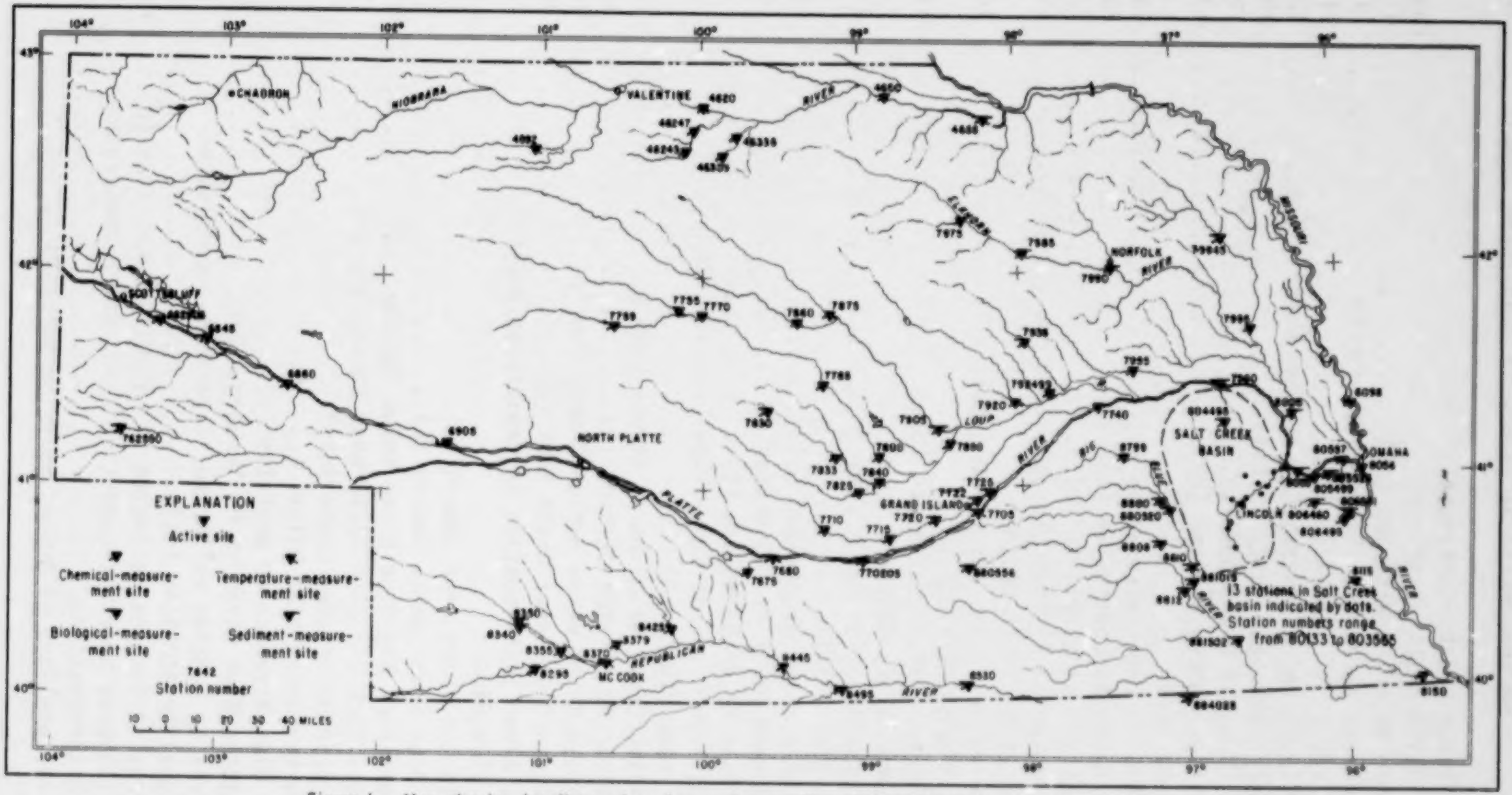

Figure 1.--Map showing locations of surface water-quality stations in Nebraska, 1974 water year.

WATER RESOURCES DATA FOR NEBRASKA, 1974

Part 2. Water Quality Records

by R. A. Engberg and L. R. Petri

INTRODUCTION

The quality-of-water investigations of the U.S. Geological Survey are concerned with the chemical and physical characteristics of surface- and ground-water supplies of the Nation. The basic records for the 1974 water year for quality of water in Nebraska are given in this report.

The Geological Survey began publishing annual basic records of the quality of surface waters, including data on chemical quality, water temperatures, and suspended sediment, in 1941 in the water-supply paper series, "Quality of Surface Waters of the United States." The records prior to 1948 were published each year in a single volume for the entire country and in two volumes in 1948 and 1949. Beginning in 1950, the records were published in four volumes and beginning in 1959 in five volumes; each volume covered an area where boundaries coincided with those of certain natural drainage areas. The records for Nebraska are contained in Parts 5 and 6 of the water-supply series. These publications are available in most major public libraries. (See Water-Supply Papers, p. 20.)

The Nebraska District of the Geological Survey began to publish annual basic records of the quality of water in Nebraska in the present format in 1964. In the report for that year, records are given on the quality of surface water only. However, beginning with the report for 1965, records on the quality of ground water are given also. So that records on the quality of ground water for years prior to 1965 might also be readily available, they were included in the 1965, 1966, or 1967 reports. The number of chemical analyses published in each of the reports for each county is given in table 1.

This report is intended chiefly for local distribution to those having immediate need for the records. The records pertaining to surface water will continue to be published for wider distribution in Geological Survey water-supply papers.

COOPERATION

The records in this report were obtained under the supervision of K. A. Mac Kichan, district chief, Nebraska District, Water Resources Division, U.S. Geological Survey. Many of them were obtained at the request of other federal agencies as a part of the program of the U.S. Department of the Interior for development of the Missouri River basin or as a part of national studies of the Geological Survey. Funds for collection of records at several stations were provided by the U.S. Environmental Protection Agency.

Most of the records were obtained as parts of the cooperative programs with the following:

Conservation and Survey Division, University of Nebraska, V. H. Dreeszen, director.
Nebraska Department of Water Resources, D. S. Jones, Jr., director, succeeded by M. E. Ball.
Nebraska Natural Resources Commission, Dayle E. Williamson, executive secretary.
Lower Platte South Natural Resources District, H. L. Schroeder, general manager.

DEFINITION OF TERMS

Terms and abbreviations are defined as follows:

Acre-foot (ac-ft,AC-FT) is a quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet or 325,851 gallons or 1,233 cubic metres.

Bacteria are microscopic unicellular organisms, typically spherical, rod-like, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35° C. In the laboratory these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at $35^{\circ}C \pm 1.0^{\circ}C$ on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warmblooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at $44.5^{\circ}C \pm 0.2^{\circ}C$ on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at $35^{\circ}C \pm 1.0^{\circ}C$ on M-enterrococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Bed material is the shifting portion of fragmented alluvial material of which the streambed is composed.

Biochemical oxygen demand (BOD) is a measure of the oxygen required by microorganisms in stabilizing decomposable organic matter under aerobic conditions.

CFS-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It equals 86,400 cubic feet, 1.9835 acre-feet, or 646,000 gallons, or 2,445 cubic metres. It represents a runoff of approximately 0.0372 inches from 1 square mile or 0.3468 millimetre from 1 square kilometre.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds present in a water. It varies with water composition, concentration of reagent, temperature, period of contact, and other factors.

Cubic foot per second (cfs,CFS) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic metres per second.

Discharge is the volume of water (or more broadly, total fluids) that passes a given point within a given period of time.

Daily mean discharge is the mean discharge for one day.

Mean discharge is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at time of sampling. If this discharge is reported instead of daily mean value, the heading of the discharge column will be "Discharge (cfs)."

Drainage area of a stream above a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified location.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those stations where a continuous record of discharge is obtained.

Hardness of water is the property of water attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per litre (μg//l,UG/L) is a unit for expressing the concentration of chemical constituents in solution. It represents one one-thousandth of a milligram of constituent in a litre of solution.

Milliequivalents per litre is a unit for expressing the concentration of chemical constituents in terms of the interreacting values of the electrically charged particles, or ions, in solution. One milliequivalent per litre of a positively charged ion will react with one milliequivalent per litre of a negatively charged ion.

Milligrams per litre (mg/l,MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per litre of most commonly measured constituents may be converted to milliequivalents per litre by multiplying by the factors in table 2. Concentration of suspended sediment expressed in milligrams per litre is based on the weight of sediment in a litre of water-sediment mixture. Sediment concentrations that are expressed in milligrams per litre may be converted to parts per million by using the factors in table 3.

Partial-record station is a station where limited data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimetres (mm), of suspended sediment or bed material determined by sieve, sedimentation (fall diameter), or optical methods.

Particle-size classification agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. This classification is as follows:

Clay: Smaller than 0.004 mm.
Silt: Between 0.004 and 0.062 mm.
Sand: Between 0.062 and 2.0 mm.
Gravel: Between 2.0 and 64.0 mm.

The particle-size distributions given in this report are not necessarily representative of the particle sizes of sediment in transport in the natural stream. Most of the organic matter is removed and the sample is subjected to mechanical and chemical dispersion before analysis of the silt and clay.

Picocurie (PC/L) is one-millionth of the amount of radioactivity represented by a microcurie, which, in turn, is the amount of radioactivity given off by one-millionth of a gram of radium-226.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited by water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, that is discharged in a given time. It is calculated in units of tons per day as follows: concentration (mg/l) x discharge (cfs) x 0.0027.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed in milligrams of dry sediment per litre of water-sediment mixture (mg/l).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reaction with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimetre at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content of the water. Commonly, the amount of dissolved solids (in milligrams per litre) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff." Streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table headings and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the water year.

Tons per acre-foot indicates the dry weight of constituent in 1 acre-foot of water. It is computed by multiplying the concentration of the constituent, in milligrams per litre, by 0.00136.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour period.

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1974, is called the "1974 water year."

SPECIAL NETWORKS AND PROGRAMS

Some of the stations for which data are published in this report are included in special networks or programs. These stations are identified by a statement, in parentheses under the station name, that indicates the type of network or program of which the station is a part. The parenthetic statements and their meanings are as follows:

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimes will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

Irrigation network stations are water quality stations located at or near certain streamflow gaging stations west of the main stem of the Mississippi River. Data collected at these stations are used to evaluate the chemical quality of surface waters used for irrigation and the changes resulting from the drainage of irrigated lands. Prior to water year 1966, chemical quality data for irrigation was published in the annual water-supply paper series, "Quality of Surface Water for Irrigation, Western States."

National stream-quality accounting network is an accounting network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated in the network design. Areal configuration of the network is based on river-basin accounting units designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of water-quality conditions nationwide on a year-to-year basis and (2) to detect and assess long-term changes in stream quality.

Radiochemical program is a program for periodic collection of data on radioisotopes from selected stations representing major drainage basins in the conterminous United States. Samples for isotope analysis are taken once or twice a year, ordinarily at stations regularly sampled for other purposes.

Radioisotopes are isotope forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example, ordinary chlorine is a mixture of isotopes having atomic weights 35 and 37, with the natural mixture having an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron (Rose, 1966). There are 275 isotopes of the 81 stable elements in addition to over 800 radioactive isotopes.

DOWNSTREAM ORDER AND STATION NUMBERS

Records in this report are arranged according to the downstream order of the stations involved. In determining downstream order, stations on tributaries are listed between stations on the main stream in the order in which the tributaries enter the main stream. Stations on tributaries entering above all main-stem stations are listed before the first main-stem station. Stations on tributaries to tributaries are listed similarly. In the list of stations given in the table of contents of this report, the rank of the tributaries is indicated by indentation, each indentation representing one rank.

Each station for which records have been included in this report has been assigned an eight-digit station identification number. This number is a unique number that is assigned according to the "downstream" location of the station and is the same regardless of the type of record involved. The station numbers increase in magnitude in the downstream direction within a major drainage basin, such as the Missouri River basin. The records, therefore, when arranged in ascending numerical order also are then arranged automatically in proper downstream order.

The eight-digit identification number, for example 06887000, appears to the left of the station name in the tables. The first two digits indicate the part of the country in which the station is located and the remaining six digits indicate the individual station. When station numbers are assigned, gaps are left in the number sequence to allow for new stations that may be established in the future. Consequently, lists of station numbers seldom comprise a complete sequence of numbers.

At several stations, flow is divided between two or more major channels each of which has been assigned a separate identification number differing somewhat from the regular station number. Where the channel identification numbers appear on the individual tables, the data shown in the table are stored in the U.S. Geological Survey computer storage cell by this number rather than by the regular station number.

Stream locations for partial-record or miscellaneous stations are indicated only by latitude and longitude figures given in parentheses following the station name.

WELL NUMBERS

Wells for which chemical analyses are given in this report are identified both by a U.S. Geological Survey well number, based on latitude and longitude, and a local identifier, based on the land subdivisions of the U.S. Bureau of Land Management. A U.S. Geological Survey well number consists of 15 digits. A typical USGS well number is 402910098352102. The first 6 digits denote the degrees, minutes, and seconds of latitude. The next seven digits denote degrees, minutes, and seconds of longitude. The final two digits are sequence numbers used to distinguish between wells within the same second of latitude and longitude.

An example of a typical local identifier is 21N 31W14DCA 3. The first two digits indicate the township, which in Nebraska are all north of the 40th parallel baseline. The second two digits indicate the range east or west of the 6th principal meridian. The last two digits indicate the section in which the well is located. The first uppercase letter after these digits denotes the quarter section, or 160-acre tract; the second denotes the quarter-quarter section, or 40-acre tract; and the third denotes the quarter-quarter-quarter section, or 10-acre tract. The quarter sections, quarter-quarter sections, etc., are designated A, B, C, or D in a counterclockwise direction, beginning with A in the northeast quadrant. If two or more wells are located within the smallest subdivision indicated, they are distinguished by the sequential digit at the end of the identifier.

COLLECTION AND EXAMINATION OF SAMPLES

Samples of surface water ordinarily were obtained at or near gaging stations because water-discharge data are essential for computation and interpretation of water quality records. Samples taken daily were collected by local observers trained and supervised by personnel of the Geological Survey. Samples taken less frequently than daily generally were collected by Geological Survey personnel or by personnel of cooperating agencies. The map on page VI shows the locations of the water-quality sampling stations in 1974.

Samples of ground water were taken at or near the points of well discharge, mostly by personnel of the Geological Survey or cooperating agencies. All samples were taken in containers provided by the Geological Survey. Wells were pumped at least several minutes before sampling to insure that water sampled had not stood for any significant period in the well casing.

Prior to the 1968 water year, data for chemical constituents and concentrations of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (^{O}F). In October 1967 the U.S. Geological Survey began to use the metric system; data for chemical constituents and concentrations of suspended sediment are now reported in milligrams per litre (mg/l; MG/l in computer-generated tables) or in micrograms per litre (µg/l; UG/L in computer-generated tables). Water temperatures are given in degrees Celsius (centigrade, ^{O}C). In waters with a density of 1.000 g/ml (grams per millilitre), parts per million and milligrams per litre can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per litre.

Solutes

Most methods of collecting and analyzing water samples are described in a manual by Brown, Skougstad, and Fishman (1970). Methods for determining elementary constituents by emission spectrographic techniques is described by Barnett and Mallory (1971). Analysis of pesticides, herbicides, and organic substances in water are described by Goerlitz and Lamar (1967), Lamar, Goerlitz, and Law (1965), and Goerlitz and Brown (1972). Collection and analysis of aquatic, biological, and microbial samples are described by Slack, et al., (1973).

Temperature

Water temperatures were measured at most of the water-quality stations and are reported in degrees Celsius (^{O}C). To convert degrees Celsius to Fahrenheit, multiply by 1.8 and add 32. For daily stations, the water temperatures were taken at about the same time each day in order that the data would be relatively unaffected by diurnal variations in temperature. Most large swiftly flowing streams probably have a small diurnal variation in water temperature, whereas sluggish or shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. The thermometers used for determining the water temperature were accurate to plus or minus 0.5^{O}C.

At stations where thermographs are located, the records consist of maximum and minimum temperatures for each day and the monthly averages of maximum daily and minimum daily temperatures.

Sediment

In general, where daily records are given, suspended-sediment samples were taken by local observers using U.S. D-43, D-49, or DH-59 depth-integrating cable or line-suspended samplers. During periods of low flow, however, some samples may have been taken with DH-48 hand samplers. Where concentrations of suspended sediment are reasonably uniform across a stream, observers samples were taken from a single vertical at a fixed point. However, where concentrations differed widely across a stream, observers samples were taken at two or more verticals to define the average concentration more accurately.

Sampling frequency at "so-called" daily stations was variable. During periods of uniform low flow, when only small amounts of sediment were in transport, samples were obtained less frequently than daily. Conversely, during periods of high flow, when large amounts of sediment were likely to be in transport, samples may have been taken more frequently than daily. Samples were taken at daily stations at irregular intervals by professional personnel using the ETR (Equal Transit Rate) method.

In the ETR method, samples are obtained with an integrating sampler at about 15-20 equally spaced verticals across the stream. Because the vertical transit rate is kept constant at all verticals, the composite of the samples from the 15-20 verticals is a sample properly weighted for differences in discharge distribution across the stream. Monthly or periodic suspended-sediment samples generally were taken by this method.

For some periods when no samples were collected, daily loads of suspended sediment were estimated from water discharge, concentrations preceding and following the period, and loads for other periods of similar water discharge. Also considered were weather conditions and sediment discharges for other stations.

The particle-size distribution of suspended sediment was determined periodically for many stations, and that of bed material was determined for some stations.

PARAMETER CODES

In most of the column headings of this report the names of the constituents or properties for which data are given are followed by five-digit codes which appear in parentheses. These codes, called parameter codes, are identical to those introduced or approved by the U.S. Environmental Protection Agency and are widely used by federal and state agencies. The codes indicate, to one having a key, more precisely than the verbal column headings can the constituents or properties being reported. Data listed under a given code in this report should be comparable to those listed under the same code by other agencies.

STATE BOUNDARY STATIONS

Data from several sampling stations located at or near the boundaries of Nebraska and operated in 1974 by U.S. Geological Survey WRD personnel from offices in adjoining states may be found in the 1974 "Part 2, Water Quality Records" published by U.S. Geological Survey District offices in those states. Station names and the District offices from which the reports are available are:

06764200 South Platte River near Julesburg, Colo.	District Chief, WRD U.S. Geological Survey Denver Federal Center Lakewood, Colo. 80225
0648600 Missouri River at Sioux City, Ia. 06601200 Missouri River at Decatur, Nebr. 06610000 Missouri River at Omaha, Nebr. 06807000 Missouri River at Nebraska City, Nebr.	District Chief, WRD U.S. Geological Survey P.O. Box 1230 Iowa City, Iowa 52240
06846500 Beaver Creek at Cedar Bluffs, Kans. 06848500 Prairie Dog Creek near Woodruff, Kans. 06882400 Big Blue River near Oketo, Kans.	District Chief, WRD U.S. Geological Survey 1950 Avenue A, Campus West Lawrence, Kans. 66045
06674500 North Platte River at Wyoming-Nebraska State line	District Chief, WRD U.S. Geological Survey 4015 Warren Ave. P.O. Box 2087 Cheyenne, Wyo. 82001

Table 1.--Reports in which ground-water records are published

County	Years of reports and number of chemical analyses in each									
	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974
Adams.......	0	0	9	0	2	2	0	4	6	2
Antelope....	11	16	4	9	3	2	2	0	0	0
Arthur......	0	0	0	0	4	0	0	0	0	1
Banner......	0	0	13	0	0	0	0	0	1	4
Blaine......	0	1	0	0	3	0	0	0	0	2
Boone.......	0	20	0	0	2	0	0	0	0	1
Box Butte...	0	0	28	0	0	0	2	0	0	0
Boyd........	0	4	0	0	7	0	22	0	0	0
Brown.......	0	12	0	0	1	0	1	0	0	0
Buffalo.....	41	33	8	7	4	10	2	0	6	11
Burt........	11	8	4	2	4	2	0	0	0	0
Butler......	0	5	14	6	2	1	0	0	1	0
Cass........	0	7	0	0	6	0	0	0	0	0
Cedar.......	0	14	0	1	3	0	3	0	0	0
Chase.......	0	0	32	0	0	0	1	0	2	10
Cherry......	0	0	23	0	0	0	0	0	0	4
Cheyenne....	3	0	52	0	0	0	0	0	1	3
Clay........	0	0	48	0	2	2	0	6	8	3
Colfax......	0	1	0	2	1	1	0	0	0	0
Cuming......	19	18	12	10	7	5	0	0	0	0
Custer......	0	17	0	0	2	0	0	1	0	3
Dakota......	0	1	0	0	4	0	0	0	0	0
Dawes.......	0	0	5	0	0	0	4	0	0	0
Dawson......	34	26	6	6	3	9	1	0	4	7
Deuel.......	0	0	13	0	0	0	0	0	0	1
Dixon.......	0	6	0	1	3	0	0	0	0	0
Dodge.......	31	22	14	10	9	5	0	0	0	0
Douglas.....	6	8	2	2	15	2	0	0	0	0
Dundy.......	0	0	10	0	0	0	0	0	2	7
Fillmore....	0	0	73	0	2	3	0	6	9	3
Franklin....	0	0	16	0	2	0	1	0	0	0
Frontier....	0	0	4	0	0	0	0	0	0	0
Furnas......	0	0	6	0	0	0	0	0	0	0
Gage........	0	0	5	0	5	1	0	0	1	0
Garden......	0	0	3	0	1	0	0	0	0	1
Garfield....	0	2	0	0	2	0	0	0	0	1
Gosper......	0	0	6	0	4	0	0	0	0	0
Grant.......	0	0	2	0	2	0	0	0	0	2
Greeley.....	0	11	0	0	1	0	0	0	0	11

Table 1.--Reports in which ground-water records are published--Continued

County	Years of reports and number of chemical analyses in each									
	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974
Hall	73	56	20	16	11	23	72	28	12	17
Hamilton	0	41	0	0	26	2	0	4	6	2
Harlan	0	0	3	0	2	0	2	0	0	0
Hayes	0	0	4	0	0	0	0	0	0	0
Hitchcock	0	0	5	0	0	0	0	0	0	0
Holt	82	124	27	7	1	0	5	29	0	0
Hooker	0	0	2	0	2	0	0	0	0	2
Howard	0	13	0	0	2	1	0	0	0	11
Jefferson	0	0	53	0	2	2	0	0	2	0
Johnson	0	0	3	0	6	0	0	0	0	0
Kearney	0	0	19	0	12	8	0	5	0	0
Keith	0	0	24	0	0	0	0	0	0	0
Keya Paha	12	18	5	0	1	0	3	6	0	0
Kimball	0	0	9	0	0	0	0	0	1	0
Knox	6	13	2	2	4	0	5	2	0	0
Lancaster	0	64	0	0	1	3	0	0	39	1
Lincoln	0	0	6	0	0	0	0	0	0	0
Logan	0	0	1	0	3	0	0	0	0	1
Loup	0	1	0	0	4	0	0	0	0	2
McPherson	0	0	0	0	4	0	0	0	2	0
Madison	43	38	14	7	8	6	0	0	0	0
Merrick	53	44	10	6	6	14	0	0	7	7
Morrill	0	0	15	0	0	0	0	0	0	2
Nance	0	40	0	0	1	0	0	0	0	7
Nemaha	0	0	0	0	6	0	0	0	0	0
Nuckolls	0	0	12	0	2	0	0	0	0	0
Otoe	0	1	0	0	6	0	0	0	0	0
Pawnee	0	0	0	0	6	0	0	0	0	0
Perkins	0	0	8	0	0	0	0	0	0	10
Phelps	0	0	9	0	23	28	0	17	0	0
Pierce	4	16	2	6	22	1	1	0	0	0
Platte	19	11	6	3	3	2	0	0	0	1
Polk	0	9	0	0	1	2	0	4	5	2
Red Willow	0	0	5	0	0	0	0	0	0	0
Richardson	0	0	5	0	5	0	0	0	0	0
Rock	0	3	0	1	2	0	0	0	0	1
Saline	0	0	34	0	2	1	0	2	3	1
Sarpy	5	4	0	0	5	0	0	0	0	0
Saunders	1	11	6	4	1	2	0	0	0	0

Table 1.--Reports in which ground-water records are published--Continued

County	Years of reports and number of chemical analyses in each									
	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974
Scotts Bluff	0	0	32	0	0	0	1	0	0	3
Seward......	0	5	0	0	2	1	0	4	6	2
Sheridan....	0	0	50	0	0	0	1	0	0	1
Sherman.....	0	7	0	0	2	0	0	0	0	1
Sioux.......	0	0	17	0	0	0	1	0	0	0
Stanton.....	14	29	6	3	4	2	0	0	0	0
Thayer......	0	0	7	0	2	1	0	0	1	1
Thomas......	0	0	4	0	1	0	0	0	0	1
Thurston....	8	10	6	2	4	1	0	0	0	0
Valley......	0	13	0	0	1	0	0	0	1	17
Washington..	3	6	2	3	3	1	0	0	0	0
Wayne.......	0	6	0	2	1	0	0	0	0	0
Webster.....	0	0	11	0	2	0	0	0	0	0
Wheeler.....	0	4	0	0	1	0	0	0	0	1
York........	0	31	0	0	6	19	0	6	8	3

Table 2.--Factors for conversion of chemical constituents in milligrams per litre to milliequivalents per litre

Ion	Factor	Ion	Factor
Aluminum (Al^{+3})..........	0.11119	Iodide (I^{-1})............	0.00788
Ammonia as NH_4^{+1}.........	.05544	Iron (Fe^{+3}).............	.05372
Barium (Ba^{+2})............	.01456	Lead (Pb^{+2}).............	.00965
Bicarbonate (HCO_3^{-1}).....	.01639	Lithium (Li^{+1})..........	.14411
Bromide (Br^{-1})..........	.01251	Magnesium (Mg^{+2})........	.08226
Calcium (Ca^{+2})...........	.04990	Manganese (Mn^{+2})........	.03640
Carbonate (CO_3^{-2}).......	.03333	Nickel (Ni^{+2})...........	.03406
Chloride (Cl^{-1})..........	.02821	Nitrate (NO_3^{-1}).........	.01613
Chromium (Cr^{+6})..........	.11539	Nitrite (NO_2^{-1}).........	.02174
Cobalt (Co^{+2}).............	.03394	Phosphate (PO_4^{-3}).......	.03159
Copper (Cu^{+2})............	.03148	Potassium (K^{+1}).........	.02557
Cyanide (CN^{-1})............	.03844	Sodium (Na^{+1})...........	.04350
Fluoride (F^{-1})...........	.05264	Strontium (Sr^{+2})........	.02283
Hydrogen (H^{+1})...........	.99209	Sulfate (SO_4^{-2}).........	.02082
Hydroxide (OH^{-1}).........	.05880	Zinc (Zn^{+2}).............	.03060

NOTE: For constituent reported in micrograms per litre, multiply by the factor and then divide result by 1,000.

Table 3.--Factors for conversion of sediment concentration in milligrams per litre to parts per million*
(All values calculated to three significant figures)

Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by
0 - 8	1.00	201-217	1.13	411-424	1.26	619-634	1.39
8.05- 24	1.01	218-232	1.14	427-440	1.27	636-650	1.40
24.2 - 40	1.02	234-248	1.15	443-457	1.28	652-666	1.41
40.5 - 56	1.03	250-264	1.16	460-473	1.29	668-682	1.42
56.5 - 72	1.04	266-280	1.17	476-489	1.30	684-698	1.43
72.5 - 88	1.05	282-297	1.18	492-506	1.31	700-715	1.44
88.5 -104	1.06	299-313	1.19	508-522	1.32	717-730	1.45
105 -120	1.07	315-329	1.20	524-538	1.33	732-747	1.46
121 -136	1.08	331-345	1.21	540-554	1.34	749-762	1.47
137 -152	1.09	347-361	1.22	556-570	1.35	765-780	1.48
153 -169	1.10	363-378	1.23	572-585	1.36	782-796	1.49
170 -185	1.11	380-393	1.24	587-602	1.37	798-810	1.50
186 -200	1.12	395-409	1.25	604-617	1.38		

*Based on water density of 1.00 g/ml and a specific gravity of sediment of 2.65.

Table 4.--Factors for converting English units to International System (SI) units

Multiply English units	By	To obtain SI units
	Length	
feet (ft)	.3048	metres (m)
miles (mi)	1.609	kilometres (km)
	Area	
square miles (mi^2)	2.590	square kilometres (km^2)
	Volume	
cfs-day (ft^3/s-day)	2447	cubic metres (m^3)
	2.447×10^{-3}	cubic hectometres (hm^3)
acre-feet (acre-ft)	1233	cubic metres (m^3)
	1.233×10^{-3}	cubic hectometres (hm^3)
	1.233×10^{-6}	cubic kilometres (km^3)
	Flow	
cubic feet per second (ft^3/s)	28.32	litres per second (l/s)
	28.32	cubic decimetres per second (dm^3/s)
	.02832	cubic metres per second (m^3/s)
	Mass	
ton (short)	.9072	tonne (t)

WATER-SUPPLY PAPERS

The table below shows the annual series of water-supply papers that give information on the quality of surface waters in Nebraska.

U.S. Geological Survey, Quality of surface waters of the United States; water years 1941-49: U.S. Geol. Survey Water-Supply Papers:

Year	WSP	Year	WSP	Year	WSP
1941	942	1944	1022	1947	1102
1942	950	1945	1030	1948	1132
1943	970	1946	1050	1949	1162

U.S. Geological Survey, Quality of surface waters of the United States; Parts 5-6, Hudson Bay and Upper Mississippi River basins, and Missouri River basin; water years 1950-71: U.S. Geol. Survey Water-Supply Papers:

Year	WSP	Year	WSP	Year	WSP
1950	1187	1958	1572	1966	1993
1951	1198	1959	1643	1967	2013
1952	1251	1960	1743	1968	2095
1953	1291	1961	1883	1969	AB2145
1954	1351	1962	1943	1970	AB2155
1955	1401	1963	1949	1971	AB2165
1956	1451	1964	1956		
1957	1521	1965	1963		

A In preparation.
B Part 6.

SELECTED REFERENCES

The following publications are available for background information on the methods for collecting, analyzing, and evaluating the chemical and physical properties of surface waters:

American Public Health Association and others, 1971, Standard methods for the examination of water and wastewater, 13th ed.: Am. Public Health Assoc., New York, 874 p.

Barnett, P. R., and Mallory, Jr., E. C., 1971, Determination of minor elements in water by emission spectroscopy: U.S. Geol. Survey Techniques of Water Resources Inv., book 5, chap. A2, 31 p.

Brown, Eugene, Skougstad, M. W., and Fishman, M. J., 1970, Methods for collection and analysis of water samples for dissolved minerals and gases: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. A1, 160 p.

Colby, B. R., 1963, Fluvial sediments--a summary of source, transportation, deposition, and measurement of sediment discharge: U.S. Geol. Survey Bull. 1181-A, 47 p.

Colby, B. R., and Hembree, C. H., 1955, Computations of total sediment discharge, Niobrara River near Cody, Nebraska: U.S. Geol. Survey Water-Supply Paper 1357, 187 p.

Colby, B. R., and Hubbell, D. W., 1961, Simplified methods for computing total sediment discharge with the modified Einstein procedure: U.S. Geol. Survey Water-Supply Paper 1593, 17 p.

Fishman, M. J., and Downs, S. C., 1966, Methods for analysis of selected metals in water by atomic adsorption: U.S. Geol. Survey Water-Supply Paper 1540-C, 45 p.

Goerlitz, D. F., and Brown, Eugene, 1972, Methods for analysis of organic substances in water: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. A3, 40 p.

Goerlitz, D. F., and Lamar, W. L., 1967, Determination of phenoxy acid herbicides in water by electron-capture and microcoulometric gas chromatography: U.S. Geol. Survey Water-Supply Paper 1817-C, 21 p.

Guy, H. P., 1969, Laboratory theory and methods for sediment analysis: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. C1, 58 p.

______1970, Fluvial sediment concepts: U.S. Geol. Survey Techniques of Water-Resources Inv., book 3, chap. C1, 55 p.

Guy, H. P., and Norman, V. W., 1970, Field methods for measurement of fluvial sediment: U.S. Geol. Survey Techniques of Water-Resources Inv., book 3, chap. C2, 59 p.

Hem, J. D., 1970, Study and interpretation of the chemical characteristics of natural water, 2d ed.: U.S. Geol. Survey Water-Supply Paper 1473, 363 p.

Lamar, W. L., Goerlitz, D. F., and Law, L. M., 1965, Identification and measurement of chlorinated organic pesticides in water by electron-capture gas chromatography: U.S. Geol. Survey Water-Supply Paper 1817-B, 12 p.

Langbein, W. B., and Iseri, K. T., 1960, General introduction and hydrologic definitions: U.S. Geol. Survey Water-Supply Paper 1541-A, 29 p.

Porterfield, George, 1972, Computations of fluvial-sediment discharge: U.S. Geol. Survey Techniques of Water Resources Inv., book 3, chap. C3, 66 p.

Ritter, J. R., and Helley, E. J., 1969, Optical method for determining particle sizes of coarse sediment: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. C3, 33 p.

Rose, Arthur and Elizabeth, 1966, The condensed chemical dictionary: Reinhold Pub. Corp., New York, 7th ed., p. 357.

Slack, K. V., and others, 1973, Methods for collection and analysis of aquatic, biological and microbiological samples: U.S. Geol. Survey Techniques of Water Resources Inv., book 5, chap. A4, 165 p.

U.S. Inter-Agency Committee on Water Resources, A study of methods used in measurement and analysis of sediment loads in streams:

Report 11, 1957, The development and calibration of visual accumulation tube: St. Anthony Falls Hydraulic Lab., Minneapolis, Minn., 109 p., 43 figs.
Report 12, 1957, Some fundamentals of particle-size analysis: U.S. Govt. Printing Office, Washington, D.C. 20402, 55 p., 9 figs.
Report AA, 1959, Federal Inter-Agency sedimentation instruments and reports: St. Anthony Falls Hydraulic Lab., Minneapolis, Minn., 41 p., 27 figs.
Report 13, 1961, The single stage sampler for suspended sediment: U.S. Govt. Printing Office, Washington, D.C. 20402, 105 p., 51 figs.
Report 14, 1963, Determinations of fluvial sediment discharge: U.S. Govt. Printing Office, Washington, D.C. 20402, 151 p., 70 figs.

06459200 SNAKE RIVER ABOVE MERRITT RESERVOIR, NEBR.

LOCATION.--Lat 42°35'40", long 101°02'20", in NE¼ sec.11, T.30 N., R.32 W., Cherry County, temperature recorder at gaging station, on left bank 5 ft (2 m) upstream from steel piling control, 1,200 ft (366 m) upstream from Shelbourn Bridge, 0.7 mi (1.1 km) northwest of Swanson Camp, 8.5 mi (13.7 km) southeast of headquarters for Nebraska National Forest (Niobrara Division), 10 mi (16.1 km) upstream from Boardman Creek, and 14.5 mi (23.3 km) upstream from Merritt Dam.

DRAINAGE AREA.--440 mi^2 (1,140 km^2), approximately, of which about 28 mi^2 (73 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Water temperatures: October 1963 to September 1974.

EXTREMES.--1973-74:

Water temperatures: Maximum, 32.0°C July 18; minimum, freezing point on many days during December and January.

Period of record:

Water temperatures: Maximum (1963-66, 1968-69, 1970-74), 32.0°C July 18, 1974; minimum, freezing point on many days during winter period.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.5	13.0	8.5	4.5	6.5	2.0	0.5	0.0	5.5	0.5	12.0	6.0
2	20.5	14.0	5.0	3.5	8.0	4.0	0.0	0.0	6.0	2.0	13.5	8.0
3	18.5	12.0	4.0	3.0	5.0	4.0	0.0	0.0	6.0	3.0	11.0	7.0
4	15.5	9.5	4.5	1.5	4.0	2.0	0.0	0.0	6.5	3.0	10.0	5.5
5	16.0	10.5	5.0	3.0	3.0	1.0	0.0	0.0	6.0	1.0	9.5	3.5
6	17.0	11.5	6.5	4.0	1.0	1.0	0.0	0.0	1.0	0.5	10.5	5.5
7	18.5	12.0	6.0	4.0	4.5	1.0	0.0	0.0	1.0	0.5	8.5	4.0
8	18.0	14.0	4.5	3.0	6.0	3.5	0.0	0.0	1.0	0.5	11.5	4.0
9	15.0	10.5	5.0	3.5	3.5	1.0	0.5	0.0	0.5	0.0	10.5	4.0
10	10.5	8.5	8.5	4.5	2.0	1.0	0.0	0.0	3.5	0.0	7.0	5.0
11	8.5	4.0	9.0	6.0	4.5	1.5	0.5	0.0	8.0	3.0	6.0	3.5
12	11.0	4.0	11.0	8.0	4.5	3.0	0.0	0.0	8.0	3.0	6.0	4.5
13	14.0	8.5	10.5	8.0	3.0	2.0	0.0	0.0	8.0	3.5	8.5	5.0
14	16.5	10.5	11.0	8.0	3.0	1.0	0.0	0.0	6.0	4.0	8.5	5.0
15	15.5	11.5	9.5	7.0	1.5	1.0	0.0	0.0	8.0	3.5	7.0	3.0
16	13.5	10.5	8.0	5.0	3.0	1.0	0.0	0.0	9.0	4.0	9.5	2.0
17	15.5	9.5	9.0	5.0	5.0	2.0	0.0	0.0	9.0	4.5	11.0	4.0
18	17.0	11.0	7.0	5.0	4.5	0.5	0.0	0.0	9.0	4.5	10.0	6.5
19	16.0	11.5	5.5	3.0	0.5	0.5	5.0	0.0	7.0	4.0	8.0	3.0
20	16.0	10.5	3.0	1.0	0.5	0.0	6.0	3.5	7.0	3.0	4.0	0.5
21	16.0	11.5	1.0	1.0	0.0	0.0	5.0	2.0	3.0	1.0	5.5	0.5
22	16.0	11.0	4.5	1.0	0.0	0.0	2.0	0.5	5.0	0.5	4.5	0.5
23	16.5	11.5	4.5	3.0	0.5	0.0	1.5	0.5	4.0	1.0	4.5	0.5
24	14.5	9.5	5.0	1.5	0.5	0.5	3.0	0.5	4.5	1.0	6.0	0.0
25	13.0	8.5	4.0	2.0	0.5	0.5	4.5	1.0	8.0	1.0	10.5	2.0
26	11.5	8.5	4.5	1.5	1.0	0.5	4.0	3.0	10.0	4.0	9.5	5.0
27	11.0	7.0	5.5	3.0	0.5	0.5	5.0	1.0	9.5	5.5	12.0	5.5
28	10.5	5.5	5.5	1.5	0.5	0.5	4.5	0.5	[illegible]	4.0	14.0	8.0
29	11.5	5.5	6.5	3.5	0.0	0.0	5.0	0.5	---	---	12.0	6.5
30	9.5	7.0	6.0	4.5	0.0	0.0	5.5	1.5	---	---	13.5	6.5
31	9.5	6.5	---	---	0.0	0.0	3.5	0.5	---	---	11.5	9.5
MONTH	20.5	4.0	11.0	1.0	8.0	0.0	6.0	0.0	10.0	0.0	14.0	0.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.5	7.0	20.5	12.0	21.0	15.5	28.5	19.0	28.5	19.5	15.5	13.0
2	14.5	8.5	17.0	13.0	24.5	15.0	30.0	20.5	23.5	18.0	16.0	11.0
3	9.5	3.0	18.5	9.5	26.5	16.0	25.5	19.5	24.0	16.0	19.5	10.5
4	9.0	1.0	21.0	12.0	27.0	17.0	28.5	16.5	25.5	15.5	21.0	13.0
5	13.5	4.5	23.0	13.0	21.5	18.0	26.5	18.0	26.5	17.0	20.0	13.0
6	15.5	8.0	24.0	13.5	23.5	15.0	27.0	18.5	25.0	17.0	22.0	15.5
7	13.0	6.5	21.0	15.5	20.0	15.0	28.0	18.5	24.5	16.5	25.0	15.5
8	14.0	5.0	23.5	14.0	16.5	14.0	29.5	20.5	25.5	18.0	23.5	16.5
9	14.5	8.0	24.5	15.5	17.0	13.0	30.5	21.5	25.0	18.0	24.5	18.0
10	15.5	8.0	20.0	14.0	23.0	13.0	30.5	22.0	21.5	16.5	25.0	17.0
11	13.0	9.0	16.5	9.5	22.0	15.0	31.0	21.5	24.0	14.0	21.0	13.5
12	9.5	6.0	19.5	10.5	25.0	15.5	31.0	23.0	25.5	17.0	14.0	10.5
13	8.5	5.5	15.0	11.5	27.0	17.0	30.0	21.5	27.0	18.5	17.0	10.0
14	12.0	4.0	15.0	6.5	28.0	18.5	28.0	21.0	26.5	19.5	19.0	11.0
15	10.5	7.0	16.5	10.0	26.0	19.0	26.0	20.5	25.5	19.5	21.0	13.0
16	14.5	5.5	23.0	13.0	25.5	16.5	26.5	19.0	26.5	19.5	22.0	14.5
17	19.0	8.0	18.5	13.0	26.0	16.5	31.0	20.5	28.0	20.0	22.0	14.5
18	19.0	10.5	15.0	13.0	29.0	19.0	32.0	23.0	28.0	19.5	22.0	15.0
19	18.5	11.5	24.5	14.5	31.0	20.5	29.0	21.5	24.5	20.0	19.5	14.0
20	16.5	13.0	19.5	16.5	30.5	21.0	30.5	21.0	26.0	19.5	16.0	13.5
21	14.0	9.5	21.0	13.0	28.0	20.0	28.0	22.0	26.5	18.5	17.0	10.0
22	18.0	8.5	19.0	13.0	26.5	18.0	30.5	20.0	25.5	18.0	18.0	10.5
23	17.0	10.5	23.5	13.5	27.0	18.0	29.5	21.0	25.5	18.5	19.5	12.0
24	20.0	9.5	23.5	14.5	26.5	17.0	26.0	22.0	25.5	17.0	18.5	13.0
25	19.5	15.0	23.0	15.5	28.0	17.0	29.0	19.0	26.5	18.5	18.5	11.5
26	22.0	15.0	24.5	15.5	26.0	17.0	27.0	20.5	28.0	19.5	19.5	12.0
27	20.0	15.5	28.0	17.0	27.0	17.0	29.5	20.0	25.0	16.5	16.5	11.0
28	19.5	13.0	26.5	19.0	29.5	20.0	26.0	20.5	21.0	16.0	15.5	9.0
29	18.5	11.0	23.0	16.5	27.0	20.0	28.0	17.0	21.0	16.0	15.5	10.0
30	20.0	11.0	21.0	16.5	28.0	19.0	26.5	19.0	21.0	15.5	14.0	8.5
31	---	---	22.0	13.0	---	---	27.0	18.5	18.0	15.5	---	---
MONTH	22.0	1.0	28.0	6.5	31.0	13.0	32.0	16.5	28.5	14.0	25.0	8.5

06462000 NIOBRARA RIVER NEAR NORDEN, NEBR.

LOCATION.--Lat 42°47'13", long 100°02'06", in N½SW¼ sec.23, T.33 N., R.23 W., Keya Paha County, at gaging station at county road bridge, 1.5 mi (2.4 km) downstream from Fairfield Creek, and 6 mi (10 km) south of Norden.

DRAINAGE AREA.--8,390 mi^2 (21,700 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: November 1963 to October 1966, July 1974 to September 1974.
Water temperatures: July 1974 to September 1974.

WATER QUALITY DATA, JULY 1974 TO SEPTEMBER 1974

DATE	TIME	DISCHARGE (CFS) (00060)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
JULY 31...	1545	464	58	20	0	30	4.0	9.4	6.7	130
AUG. 20...	1440	496	58	50	0	32	4.4	9.7	8.1	139
SEP. 09...	1525	550	56	20	0	30	4.3	9.7	6.8	139

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)
JULY 31...	2	110	6.7	1.4	.4	.03	.06	183	.25
AUG. 20...	0	114	6.4	2.0	.4	.05	.10	190	.26
SEP. 09...	0	114	6.7	1.7	.4	.11	.02	185	.25

DATE	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	DISSOLVED BORON (B) (UG/L) (01020)
JULY 31...	229	91	0	.4	225	8.8	26.0	4	40
AUG. 20...	254	98	0	.4	234	8.1	28.0	4	30
SEP. 09...	275	93	0	.4	234	7.9	26.0	4	40

06462000 NIOBRARA RIVER NEAR NORDEN, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	234	229
2	---	---	---	283	---	---	---	---	---	---	226	231
3	---	---	---	---	---	---	---	---	---	---	228	231
4	---	---	---	---	---	---	---	---	---	---	230	231
5	---	---	---	---	---	---	---	---	---	---	227	235
6	---	---	---	---	---	233	---	243	---	---	225	233
7	---	---	---	---	---	---	---	---	---	---	226	234
8	---	---	---	---	---	---	---	---	---	234	227	238
9	241	---	---	---	---	---	---	---	---	---	225	250
10	---	---	227	---	---	---	---	---	---	---	234	234
11	---	---	---	---	---	---	---	---	---	---	228	236
12	---	---	---	---	220	---	---	---	---	---	228	234
13	---	---	---	---	---	---	---	---	---	---	220	232
14	---	---	---	---	---	---	---	---	---	---	226	237
15	---	---	---	---	---	---	---	---	---	---	219	232
16	---	---	---	---	---	---	233	---	---	---	223	237
17	---	---	---	---	---	---	---	---	---	---	216	233
18	---	---	---	---	---	---	---	---	238	---	221	234
19	---	---	---	---	---	---	---	---	---	---	225	235
20	---	---	---	---	---	---	---	---	---	---	240	234
21	---	---	---	---	---	---	---	---	---	---	232	232
22	---	---	---	---	---	---	---	---	---	---	227	236
23	---	---	---	---	---	---	---	---	---	---	229	236
24	---	---	---	---	---	---	---	---	---	---	227	242
25	---	---	---	---	---	---	---	---	---	---	220	232
26	---	---	---	---	---	---	---	---	---	---	233	232
27	---	---	---	---	---	---	---	---	---	---	224	235
28	---	---	---	---	---	---	---	---	---	---	225	243
29	---	---	---	---	---	---	---	---	---	---	224	234
30	---	---	---	---	---	---	---	---	---	---	229	234
31	---	---	---	---	---	---	---	---	---	226	226	---
MONTH	---	---	---	---	---	---	---	---	---	---	227	235

TEMPERATURE (DEG. C) OF WATER, JULY 1974 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	22.5	14.5
2	---	---	---	---	---	---	---	---	---	---	20.0	14.0
3	---	---	---	---	---	---	---	---	---	---	15.5	10.5
4	---	---	---	---	---	---	---	---	---	---	15.5	14.5
5	---	---	---	---	---	---	---	---	---	---	15.5	17.0
6	---	---	---	---	---	---	---	---	---	---	21.5	17.5
7	---	---	---	---	---	---	---	---	---	---	20.0	19.0
8	---	---	---	---	---	---	---	---	---	---	19.0	17.5
9	---	---	---	---	---	---	---	---	---	---	20.5	20.0
10	---	---	---	---	---	---	---	---	---	---	19.5	19.5
11	---	---	---	---	---	---	---	---	---	---	15.0	17.0
12	---	---	---	---	---	---	---	---	---	---	21.0	14.0
13	---	---	---	---	---	---	---	---	---	---	22.5	13.0
14	---	---	---	---	---	---	---	---	---	---	23.0	15.5
15	---	---	---	---	---	---	---	---	---	---	22.0	16.0
16	---	---	---	---	---	---	---	---	---	---	23.0	19.0
17	---	---	---	---	---	---	---	---	---	---	21.5	17.0
18	---	---	---	---	---	---	---	---	---	---	25.5	20.0
19	---	---	---	---	---	---	---	---	---	---	24.5	16.0
20	---	---	---	---	---	---	---	---	---	---	23.0	14.5
21	---	---	---	---	---	---	---	---	---	---	22.5	11.5
22	---	---	---	---	---	---	---	---	---	---	22.5	11.5
23	---	---	---	---	---	---	---	---	---	---	22.0	14.5
24	---	---	---	---	---	---	---	---	---	---	23.5	17.5
25	---	---	---	---	---	---	---	---	---	---	21.0	13.0
26	---	---	---	---	---	---	---	---	---	---	23.5	13.5
27	---	---	---	---	---	---	---	---	---	---	20.5	12.5
28	---	---	---	---	---	---	---	---	---	---	21.0	11.0
29	---	---	---	---	---	---	---	---	---	---	18.5	9.5
30	---	---	---	---	---	---	---	---	---	---	19.0	9.0
31	---	---	---	---	---	---	---	---	---	26.0	15.5	---
MONTH	---	---	---	---	---	---	---	---	---	---	20.5	15.0

06463050 LONG PINE CREEK AT LONG PINE, NEBR.

LOCATION.--Lat 42°32'59", long 99°42'23", in NE¼NW¼ sec.30, T.30 N., R.20 W., Brown County, at timber bridge 0.1 mi (0.2 km) downstream from U.S. Highway 20 bridge and about 0.9 mi (1.4 km) northwest of Long Pine.

PERIOD OF RECORD.--Chemical analyses: October 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT. 31...	1330	54	--	--	--	--	--	--	--	--
NOV. 20...	1110	50	55	20	0	16	2.1	5.6	3.9	68
DEC. 12...	1310	52	--	--	--	--	--	--	--	--
JAN. 04...	1325	52	--	--	--	--	--	--	--	--
FEB. 14...	1340	53	53	30	10	16	2.2	5.9	4.3	69
MAR. 07...	0855	56	--	--	--	--	--	--	--	--
APR. 19...	1050	58	--	--	--	--	--	--	--	--
MAY 09...	1250	54	55	50	0	16	2.0	5.1	3.8	69
JUNE 21...	1045	54	--	--	--	--	--	--	--	--
JULY 11...	1040	50	--	--	--	--	--	--	--	--
AUG. 23...	1120	50	56	30	0	16	1.8	5.5	4.1	70
SEP. 12...	1010	56	--	--	--	--	--	--	--	--

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT. 31...	--	--	--	.9	--	--	1.1	.02	.57	.59
NOV. 20...	0	4	3.4	1.2	.1	--	1.1	.03	.15	.18
DEC. 12...	--	--	--	.7	--	--	1.2	.01	.23	.24
JAN. 04...	--	--	--	1.8	--	1.5	1.3	.02	.41	.43
FEB. 14...	0	57	3.2	1.5	.2	1.2	1.1	.01	.28	.29
MAR. 07...	--	--	--	1.1	--	1.1	1.1	.04	.21	.25
APR. 19...	--	--	--	.7	--	1.0	1.1	.05	.09	.14
MAY 09...	0	57	4.8	.3	.3	.86	.86	.05	.21	.26
JUNE 21...	--	--	--	1.5	--	.93	.90	.13	.10	.23
JULY 11...	--	--	--	1.9	--	.97	.91	.04	.13	.17
AUG. 23...	--	57	6.8	1.5	.3	.92	.86	.02	.36	.38
SEP. 12...	--	--	--	2.5	--	.92	.87	.05	.04	.09

06463050 LONG PINE CREEK AT LONG PINE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT. 31...	--	.22	.21	--	--	--	--	--	--	--
NOV. 20...	--	.21	.20	--	126	.17	17.0	49	0	.4
DEC. 12...	--	.23	.21	135	--	.18	19.0	--	--	--
JAN. 04...	1.9	.22	.22	119	--	.16	16.7	--	--	--
FEB. 14...	1.5	.22	.16	--	125	.17	17.9	49	0	.4
MAR. 07...	1.4	.31	.19	121	--	.16	18.3	--	--	--
APR. 19...	1.1	.23	.21	123	--	.17	19.3	--	--	--
MAY 09...	1.1	.22	.20	--	125	.17	18.2	48	0	.3
JUNE 21...	1.2	.13	.12	117	--	.16	17.1	--	--	--
JULY 11...	1.1	.24	.22	123	--	.17	16.6	--	--	--
AUG. 23...	1.3	.22	.21	--	130	.18	17.6	47	0	.3
SEP. 12...	1.0	.21	.18	124	--	.17	18.7	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)
OCT. 31...	132	7.6	10.5	--	3	9.3	3.2	10	80	--
NOV. 20...	114	7.3	5.0	5	--	10.6	>6.2	10	50	--
DEC. 12...	131	7.1	8.0	--	5	9.7	.5	7	34	--
JAN. 04...	129	7.4	2.5	--	9	11.0	.8	27	22	--
FEB. 14...	131	7.2	6.0	5	5	10.2	--	30	30	2
MAR. 07...	132	7.8	5.0	--	8	10.0	.2	37	40	--
APR. 19...	132	7.2	12.0	--	6	--	1.3	34	40	--
MAY 09...	128	7.7	17.0	6	10	10.0	1.0	70	600	--
JUNE 21...	130	7.5	17.0	--	5	8.7	3.7	230	160	--
JULY 11...	131	7.6	18.0	--	8	8.4	1.0	1100	210	--
AUG. 23...	160	7.4	17.5	3	5	9.0	.8	90	220	3
SEP. 12...	129	7.5	10.5	--	5	9.0	1.2	266	470	--

DATE	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 31...	--	--	--	--	--	--	--	--	--	--
NOV. 20...	60	--	--	--	--	--	--	--	--	--
DEC. 12...	--	--	--	--	--	--	--	--	--	--
JAN. 04...	--	--	--	--	--	--	--	--	--	--
FEB. 14...	20	1	0	1	8	.2	.1	2	0	40
MAR. 07...	--	--	--	--	--	--	--	--	--	--
APR. 19...	--	--	--	--	--	--	--	--	--	--
MAY 09...	10	--	--	--	--	--	--	--	--	--
JUNE 21...	--	--	--	--	--	--	--	--	--	--
JULY 11...	--	--	--	--	--	--	--	--	--	--
AUG. 23...	0	<1	0	2	4	.1	.0	0	0	30
SEP. 12...	--	--	--	--	--	--	--	--	--	--

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.

LOCATION.--Lat 42°44'25", long 98°12'45", near center of N sec.23, T.32 N., R.8 W., Knox County, temperature recorder at gaging station at Pishelville Bridge, 6 mi (9.7 km) south of Verdel and 7 mi (11.3 km) upstream from Verdigre Creek.

DRAINAGE AREA.--12,600 mi^2 (32,600 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: April 1973 to September 1974.
Water temperatures: June 1958 to September 1965, October 1966 to September 1974.
Sediment records: October 1971 to September 1974.

EXTREMES.--1973-74:
Water temperatures: Maximum, 38.0°C July 20; minimum, freezing point on many days during December to March.
Sediment concentrations: Maximum daily, 3,260 mg/l Oct. 10; minimum daily, 70 mg/l Jan. 22.
Sediment discharge: Maximum daily, 28,000 tons Mar. 2; minimum daily, 150 tons July 9, 10, 14.

Period of record:
Water temperatures: Maximum, 38.0°C July 22, 1964, July 20, 1974; minimum, freezing point on many days during winter period.
Sediment concentrations: Maximum daily, 6,500 mg/l Mar. 12, 1972; minimum daily, 56 mg/l Dec. 27, 1972.
Sediment discharge: Maximum daily, 70,000 tons Mar. 12, 1972; minimum daily, 60 tons Dec. 7, 1972.

REMARKS.--Prior to July 1, 1971, sediment records were obtained by the U.S. Corps of Engineers. Suspended-sediment discharge record, water year October 1972 to September 1973, included in this report.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
OCT. 04...	0945	2290	47	40	30	70	33	5.0	11	6.9	148	--
24...	1125	1750	--	--	--	--	--	--	--	--	--	--
NOV. 14...	1245	1920	--	--	--	--	--	--	--	--	--	--
JAN. 16...	1110	1500	--	--	--	--	--	--	--	--	--	--
FEB. 06...	1105	1650	--	--	--	--	--	--	--	--	--	--
MAR. 20...	1100	2250	42	--	50	29	30	5.5	10	6.0	140	0
APR. 10...	0945	1540	--	--	--	--	--	--	--	--	--	--
MAY 01...	1055	1540	--	--	--	--	--	--	--	--	--	--
JUNE 13...	1005	2120	43	--	70	10	39	5.7	10	7.2	144	--
JULY 24...	0955	508	--	--	--	--	--	--	--	--	--	--
AUG. 15...	0955	886	--	--	--	--	--	--	--	--	--	--
SEP. 05...	1000	894	52	--	70	10	37	4.7	8.7	5.8	140	--

DATE	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)
OCT. 04...	121	15	2.0	.4	.42	.34	.13	.81	.94	1.4	.36
24...	--	--	1.8	--	--	.58	.07	.66	.73	--	.32
NOV. 14...	--	--	2.6	--	--	.67	.08	.59	.67	--	1.4
JAN. 16...	--	--	2.4	--	.95	.96	.09	.11	.20	1.2	.16
FEB. 06...	--	--	1.4	--	.85	.79	.11	.15	.26	1.1	.15
MAR. 20...	115	21	1.3	.4	.92	.79	.64	.46	1.1	2.0	.49
APR. 10...	--	--	2.3	--	.55	.49	.28	.42	.70	1.3	.28
MAY 01...	--	--	2.0	--	.19	.23	.29	.35	.64	.83	.28
JUNE 13...	118	23	1.6	.4	.31	.30	.07	1.1	1.2	1.5	.38
JULY 24...	--	--	1.8	--	.04	.03	.07	.40	.47	.51	.20
AUG. 15...	--	--	2.5	--	.13	.13	.17	.62	.79	.92	.15
SEP. 05...	115	11	1.1	.3	.13	.03	.13	.84	.97	1.1	.16

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)
OCT.											
04...	.15	194	196	.27	1210	100	0	.5	263	8.1	13.0
24...	.13	212	--	.29	1000	--	--	--	281	7.8	16.0
NOV.											
14...	.14	208	--	.28	1080	--	--	--	272	7.6	9.0
JAN.											
16...	.12	227	--	.31	919	--	--	--	305	7.4	.5
FEB.											
06...	.10	211	--	.29	940	--	--	--	290	7.4	.5
MAR.											
20...	.13	--	197	.27	1200	120	3	.4	283	7.8	1.0
APR.											
10...	.12	230	--	.32	990	--	--	--	310	7.7	11.0
MAY											
01...	.16	231	--	.31	960	--	--	--	310	8.0	20.5
JUNE											
13...	.10	--	202	.27	1160	120	3	.4	285	7.7	25.5
JULY											
24...	.04	200	--	.27	274	--	--	--	254	7.6	25.5
AUG.											
15...	.05	185	--	.25	443	--	--	--	240	7.6	23.0
SEP.											
05...	.05	--	190	.26	459	110	0	.4	249	7.7	16.0

DATE	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)
OCT.											
04...	30	45	9.8	2.1	640	440	0	200	20	--	0
24...	--	30	8.7	.4	110	220	--	--	--	--	--
NOV.											
14...	--	60	10.2	1.8	63	220	--	--	--	--	--
JAN.											
16...	--	20	11.1	1.3	15	200	--	--	--	--	--
FEB.											
06...	--	25	12.5	2.1	11	12	--	--	--	--	--
MAR.											
20...	30	130	12.8	2.4	7	32	11	--	40	1	0
APR.											
10...	--	60	10.0	2.3	30	76	--	--	--	--	--
MAY											
01...	--	65	8.7	3.6	22	24	--	--	--	--	--
JUNE											
13...	40	100	--	4.5	600	420	--	--	50	--	--
JULY											
24...	--	25	8.0	--	67	112	--	--	--	--	--
AUG.											
15...	--	35	8.6	2.9	200	76	--	--	--	--	--
SEP.											
05...	5	30	9.6	--	--	--	6	--	30	1	0

DATE	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT.											
04...	--	--	10	--	.0	1	6	--	210	5.7	30
24...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
14...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
16...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
06...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
20...	7	1	--	.3	.2	--	2	0	--	--	40
APR.											
10...	--	--	--	--	--	--	--	--	--	--	--
MAY											
01...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
13...	--	--	--	--	--	--	--	--	--	--	--
JULY											
24...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
15...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
05...	4	3	--	.6	.0	--	1	0	--	--	10

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.0	14.0	7.0	6.0	3.5	1.5	1.0	0.5	0.5	0.0	0.0	0.0
2	17.0	13.5	6.0	4.5	4.5	3.0	0.5	0.0	0.5	0.0	0.5	0.0
3	16.0	11.5	6.0	4.5	4.0	2.0	0.5	0.0	0.5	0.5	4.0	0.5
4	15.5	9.0	4.5	3.5	2.0	1.5	0.5	0.0	0.5	0.0	6.0	3.5
5	16.0	10.0	5.0	2.0	2.0	1.5	0.5	0.5	0.5	0.0	7.0	3.0
6	17.0	11.0	4.5	3.5	2.0	1.5	1.0	0.5	0.5	0.0	9.5	4.0
7	19.5	13.0	4.5	3.5	1.5	1.0	1.0	0.5	0.5	0.0	6.0	3.5
8	19.5	16.0	3.5	2.0	1.0	0.5	1.0	0.5	0.5	0.0	8.5	3.0
9	20.0	15.5	4.5	2.0	1.0	1.0	1.0	0.5	0.5	0.0	8.0	4.0
10	15.5	10.5	6.0	2.0	1.5	1.0	0.5	0.5	0.0	0.0	5.0	3.0
11	13.0	9.0	8.5	4.0	1.0	0.5	1.0	0.5	0.0	0.0	4.0	3.0
12	11.5	7.0	9.5	5.5	1.0	0.5	1.0	0.5	0.0	0.0	4.5	3.0
13	14.0	8.5	11.5	7.0	1.0	0.5	0.5	0.0	0.0	0.0	3.5	2.0
14	17.0	10.0	9.0	8.0	1.0	0.5	0.0	0.0	0.0	0.0	8.0	3.0
15	16.0	11.5	8.0	6.0	1.0	0.5	0.0	0.0	0.0	0.0	5.5	1.0
16	12.0	10.0	7.0	5.0	1.0	1.0	0.0	0.0	0.0	0.0	4.0	0.5
17	15.0	8.5	7.0	4.0	0.5	0.0	0.0	0.0	0.0	0.0	6.5	0.5
18	16.5	9.5	6.0	5.0	0.5	0.0	0.0	0.0	0.0	0.0	5.5	3.0
19	16.5	11.0	5.0	4.0	0.5	0.0	0.5	0.0	0.0	0.0	8.0	0.5
20	16.0	9.5	4.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	5.0	0.5
21	15.5	11.5	1.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0	4.5	0.0
22	17.0	10.5	1.5	1.0	0.0	0.0	0.0	0.0	0.5	0.0	3.0	0.5
23	17.0	11.5	2.0	1.5	0.0	0.0	0.5	0.0	0.5	0.0	1.0	0.0
24	15.0	11.5	2.0	1.0	0.0	0.0	0.5	0.0	0.5	0.0	3.5	0.0
25	14.5	9.0	3.0	1.5	0.0	0.0	0.0	0.0	0.5	0.0	5.5	0.0
26	13.5	9.0	3.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.5
27	10.5	8.0	3.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	3.5	1.0
28	9.5	6.0	3.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	13.0	2.0
29	10.5	4.5	4.0	1.5	0.5	0.0	0.0	0.0	---	---	11.5	6.0
30	10.0	8.0	4.0	1.5	1.0	0.5	0.0	0.0	---	---	15.0	5.0
31	9.5	6.0	---	---	1.0	0.5	0.5	0.0	---	---	10.5	7.0
MONTH	20.0	4.5	11.5	1.0	4.5	0.0	1.0	0.0	0.5	0.0	15.0	0.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.5	5.0	22.0	14.0	24.0	16.5	30.0	19.5	33.5	20.5	17.0	14.5
2	14.0	5.5	21.5	14.0	25.5	16.0	33.0	21.0	26.0	20.5	19.5	13.5
3	8.5	0.5	21.5	10.5	30.0	18.0	29.5	21.0	25.0	16.5	23.5	11.0
4	8.5	0.5	23.0	14.0	30.5	20.0	32.0	19.5	30.5	16.5	24.5	13.5
5	11.5	1.5	23.5	14.0	31.0	20.0	29.5	20.5	31.0	20.0	21.0	13.5
6	13.5	4.0	21.0	13.5	27.0	19.5	31.0	19.0	30.5	20.0	25.5	14.0
7	13.0	5.5	23.0	14.0	28.5	16.5	31.0	20.0	26.5	20.0	26.0	15.0
8	15.5	5.0	22.0	15.0	22.0	17.0	28.0	20.5	22.0	20.0	27.0	18.0
9	16.5	6.0	26.0	16.0	17.0	14.0	33.0	22.0	28.0	20.0	29.0	18.5
10	13.5	7.0	20.0	16.5	22.0	13.0	34.0	23.5	24.0	20.0	28.0	19.0
11	11.0	9.0	19.0	12.0	23.5	16.0	29.5	21.5	29.0	17.0	23.0	15.5
12	9.5	6.0	22.0	11.5	26.0	16.0	34.0	21.5	31.5	20.5	15.5	12.0
13	6.0	4.5	20.0	13.0	30.5	19.5	33.5	23.0	30.0	21.0	19.5	9.5
14	10.5	4.0	16.5	10.5	30.5	20.5	31.0	22.0	30.0	20.5	21.5	11.5
15	9.0	6.0	18.5	9.5	25.5	20.0	30.5	20.5	31.0	22.0	24.0	13.0
16	14.0	5.0	25.0	14.0	25.5	16.5	29.5	19.5	34.0	23.5	25.5	15.0
17	18.0	7.0	20.0	15.5	29.0	17.0	33.5	21.0	31.0	21.5	24.5	15.0
18	19.0	9.5	17.0	14.5	31.0	19.5	34.5	22.0	33.0	20.5	26.0	15.5
19	20.0	10.5	25.5	16.0	32.0	22.0	36.5	23.5	31.5	23.0	20.5	16.5
20	18.5	14.0	29.0	19.5	36.0	23.5	38.0	26.0	30.5	23.0	18.5	14.5
21	14.5	10.0	28.0	19.0	34.0	23.5	35.0	26.0	28.5	21.0	19.5	11.5
22	18.0	9.5	25.0	16.5	28.5	21.0	37.0	24.0	31.5	19.5	19.5	10.5
23	18.5	9.5	25.0	16.0	28.0	19.0	35.0	24.5	29.5	20.0	23.0	12.0
24	17.0	9.5	23.0	14.5	29.5	18.5	32.0	23.0	29.5	19.5	22.0	14.0
25	20.5	12.0	27.0	15.0	29.0	18.5	36.5	22.0	31.0	21.0	22.0	13.0
26	21.5	16.0	29.0	15.5	28.5	18.5	33.5	23.5	34.0	22.0	24.0	13.0
27	24.5	17.0	31.0	17.0	26.0	18.0	34.0	21.5	29.5	19.5	18.5	11.5
28	25.0	16.0	30.0	20.5	29.0	18.5	28.5	23.0	28.5	19.0	17.0	9.0
29	20.5	13.5	26.5	19.0	31.0	20.5	30.5	19.5	26.5	19.0	17.0	10.0
30	23.0	12.0	24.0	18.0	31.0	18.5	33.5	19.5	25.5	19.0	16.0	8.0
31	---	---	26.5	14.0	---	---	26.0	21.0	23.0	16.0	---	---
MONTH	25.0	0.5	31.0	9.5	36.0	13.0	38.0	19.0	34.0	16.0	29.0	8.0

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
06465500 - NIOBRARA RIVER NR. VERDEL, NEBR. (LAT 42 44 25 LONG 098 12 45)							
OCT., 1973							
24...	1245	16.0	1740	1160	5450	--	25
MAR., 1974							
20...	1220	1.0	2470	605	4040	--	--
APR.							
10...	1110	7.0	1520	558	2290	--	--
MAY							
01...	1155	15.0	1540	598	2490	--	--
22...	1225	20.5	2250	394	2390	--	--
JULY							
03...	1150	22.0	676	305	557	--	--
SEP.							
25...	1120	13.0	914	310	765	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
06465500 - NIOBRARA RIVER NR. VERDEL, NEBR. (LAT 42 44 25 LONG 098 12 45)						
OCT., 1973						
24...	42	53	64	89	100	--
MAR., 1974						
20...	--	72	93	100	--	--
APR.						
10...	--	42	65	94	100	--
MAY						
01...	--	46	100	--	--	--
22...	--	58	78	96	100	--
JULY						
03...	--	40	52	85	100	--
SEP.						
25...	--	86	90	96	100	--

DATE	TIME	NUMBER OF SAM- PLING POINTS (00063)	DIS- CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
06465500 - NIOBRARA RIVER NR. VERDEL, NEBR. (LAT 42 44 25 LONG 098 12 45)												
OCT., 1973												
04...	1115	5	2360	0	1	23	90	98	99	100	--	--
24...	1245	5	1740	0	3	39	91	98	99	100	--	--
NOV.												
14...	1055	5	2030	--	0	29	94	100	--	--	--	--
JAN., 1974												
16...	1255	5	1500	--	0	38	93	99	99	100	--	--
FEB.												
06...	1250	5	1600	0	8	51	93	99	99	100	--	--
MAR.												
20...	1220	5	2470	0	4	40	98	100	--	--	--	--
APR.												
10...	1110	5	1520	0	5	57	97	100	--	--	--	--
MAY												
01...	1155	5	1540	0	9	53	83	92	95	97	99	100
22...	1225	5	2250	--	0	18	92	100	--	--	--	--
JUNE												
13...	1140	5	2120	--	0	46	99	100	--	--	--	--
JULY												
03...	1150	5	676	0	8	57	96	99	100	--	--	--
24...	1110	5	498	--	0	29	93	99	100	--	--	--
AUG.												
15...	1115	5	888	--	0	34	93	98	99	100	--	--
SEP.												
05...	1120	5	888	--	0	33	95	99	99	100	--	--
25...	1120	5	914	0	4	37	88	96	98	99	100	--

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1340	700	2500	1650	2200	9800	1600	1100	4800
2	1360	650	2400	1700	2000	9200	1500	1100	4500
3	1330	630	2300	2000	2000	11000	450	700	850
4	1420	700	2700	2300	2000	12000	350	500	480
5	1530	800	3300	1950	2000	11000	300	300	240
6	1600	930	4000	1900	2000	10000	250	150	100
7	1450	1000	3900	1900	2000	10000	230	100	60
8	1400	1100	4200	1850	2000	10000	300	100	80
9	1350	1000	3600	1850	2000	10000	290	100	80
10	1400	950	3600	1880	1900	9600	420	100	110
11	1530	840	3500	1800	1900	9200	560	100	150
12	1520	850	3500	1900	1800	9200	680	100	180
13	1450	900	3500	2100	1700	9600	800	100	220
14	1400	980	3700	1550	1700	7100	920	100	240
15	1400	950	3600	1500	1700	6900	1040	120	340
16	1450	780	3100	1300	1700	6000	1100	150	440
17	1400	600	2300	1750	1700	8000	1100	150	440
18	1400	540	2000	1800	1700	8300	1100	200	600
19	1450	550	2200	1850	1800	9000	1160	300	950
20	1500	600	2400	1800	1800	8700	1400	260	1000
21	1500	600	2400	1800	1800	8700	1700	130	600
22	1500	600	2400	1540	1800	7500	1800	95	460
23	1450	610	2400	1600	1800	7800	1700	130	600
24	1550	600	2500	1700	1700	7800	1650	160	710
25	1500	750	3000	2500	1500	10000	1750	130	600
26	1450	1000	3900	1650	1200	5300	1800	75	360
27	1450	1100	4300	1700	1200	5500	1900	56	290
28	1600	950	4100	1600	1200	5200	2000	110	590
29	1550	820	3400	1350	1100	4000	2300	190	1200
30	1850	1200	6000	1400	1100	4200	2000	100	540
31	1700	2800	13000	--	--	--	1800	90	440
TOTAL	45780	--	109700	53170	--	250600	35950	--	22250

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1500	90	360	1850	100	500	3600	780	7600
2	1300	100	360	1900	100	500	4100	810	9000
3	1250	100	340	2000	90	480	5000	850	11000
4	1250	100	340	2100	80	460	3800	4400	45000
5	1300	100	360	2150	70	410	2900	6000	47000
6	1250	100	340	2100	75	420	3900	6300	66000
7	1220	100	320	2000	80	440	3600	4700	46000
8	1140	150	460	1900	86	440	2700	3700	27000
9	1140	150	460	1800	100	480	2250	2700	16000
10	1180	200	650	1650	140	600	2300	3800	24000
11	1220	200	650	1600	210	910	2400	2700	17000
12	1240	250	850	1700	310	1400	2300	3200	20000
13	1250	250	850	1650	380	1700	2500	3400	23000
14	1300	300	1100	1600	340	1500	3000	3400	28000
15	1400	320	1200	1550	220	900	3600	2400	23000
16	1450	340	1300	1400	140	550	3100	3200	27000
17	1850	230	1100	1300	110	380	2700	2700	20000
18	2150	220	1300	1400	180	700	2300	2900	18000
19	2300	260	1600	1700	340	1600	2200	1600	9500
20	2200	300	1800	1950	460	2400	2000	2300	12000
21	2100	320	1800	2000	520	2800	1850	940	4700
22	2000	360	1900	2500	550	3700	1900	1500	7700
23	1900	370	1900	2800	410	4000	1800	1700	8300
24	2000	260	1400	3000	360	2900	2400	2100	14000
25	2100	170	960	3100	420	3500	2900	2400	19000
26	2150	150	870	3000	500	4000	2800	2400	18000
27	2050	140	750	2900	600	4700	2450	2300	15000
28	1900	130	650	3100	700	5900	2810	3000	23000
29	1950	130	700	--	--	--	3270	2600	23000
30	1900	120	600	--	--	--	2500	2100	14000
31	1800	110	550	--	--	--	2350	1500	9500
TOTAL	50740	--	27820	57700	--	48270	87280	--	652300

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2450	2300	15000	3100	4100	34000	3000	2000	16000
2	2250	2100	13000	2700	4600	34000	2600	1500	11000
3	2150	1800	10000	2450	5800	38000	2700	1400	10000
4	2000	1600	8600	2350	5700	36000	2450	1200	7900
5	1850	1300	6500	2250	5300	32000	2150	850	4900
6	1800	930	4500	2100	4900	28000	2000	420	2300
7	1850	950	4700	2200	3300	20000	1800	320	1600
8	2000	970	5200	2110	2100	12000	1650	340	1500
9	2000	1400	7600	2020	1700	9300	2000	550	3000
10	1900	1900	9700	1930	1700	8900	1550	800	3300
11	1750	1600	7600	1820	1600	7900	1250	840	2800
12	1650	1200	5300	1750	1300	6100	1300	800	2800
13	1650	820	3700	1650	1100	4900	1300	800	2800
14	1650	950	4200	1600	800	3500	1250	750	2500
15	1950	1300	6800	1550	550	2300	1500	750	3000
16	2250	1400	8500	1450	460	1800	1800	800	3900
17	1950	1500	7900	1400	440	1700	1600	900	3900
18	1840	1000	5000	1350	440	1600	1700	1000	4600
19	1770	1100	5300	1350	400	1500	1600	950	4100
20	2600	1900	13000	1350	380	1400	1460	900	3500
21	2700	2400	17000	1350	360	1300	1330	850	3100
22	2500	2200	15000	1350	330	1200	1200	670	2200
23	1800	2600	13000	1250	320	1100	1160	700	2200
24	1900	2400	12000	1350	320	1200	1100	700	2100
25	1950	2400	13000	1450	320	1300	1140	720	2200
26	1750	2500	12000	1450	380	1500	1100	700	2100
27	1750	2900	14000	4280	2500	29000	1140	700	2200
28	1650	3100	14000	6510	3100	54000	1000	700	1900
29	1600	2700	12000	5550	2800	42000	960	680	1800
30	2150	3200	19000	4260	2700	31000	1140	600	1800
31	--	--	--	3800	2500	26000	--	--	--
TOTAL	59060	--	293100	71080	--	474500	47930	--	117000

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1100	380	1100	1100	680	2000	1350	480	1700
2	1140	290	890	1010	1200	3300	1200	480	1600
3	1040	320	900	984	1300	3500	1650	500	2200
4	1040	370	1000	900	1200	2900	1600	470	2000
5	1100	340	1000	820	1200	2700	1250	750	2500
6	1040	230	650	840	1000	2300	1040	770	2200
7	1000	200	550	860	700	1600	1000	750	2000
8	900	200	480	880	500	1200	1100	700	2100
9	860	210	490	860	460	1100	1060	680	1900
10	840	280	650	860	440	1000	1040	650	1800
11	844	330	750	840	420	950	960	650	1700
12	820	250	550	880	420	1000	1040	630	1800
13	780	220	460	1000	420	1100	1500	850	3400
14	840	340	770	960	420	1100	1350	1200	4400
15	820	340	750	980	400	1100	1600	1600	6900
16	760	320	650	900	390	950	1900	1700	8700
17	720	330	640	840	360	800	2000	1700	9200
18	900	360	850	880	340	800	1800	1700	8300
19	840	550	1200	860	310	720	1500	1400	5700
20	1200	600	1900	780	280	600	1450	900	3500
21	1350	600	2200	593	270	430	1350	920	3400
22	1200	790	2600	645	270	470	1400	1200	4500
23	1250	700	2400	740	280	550	1350	1500	5500
24	2200	1800	11000	780	340	700	1400	1800	6800
25	1500	2200	8900	740	350	700	1450	1700	6700
26	1200	2000	6500	740	340	700	1600	1700	7300
27	1000	1800	4900	700	320	600	1750	1700	8000
28	960	1500	3900	660	300	530	2000	1700	9200
29	1040	1300	3600	700	300	550	3100	1700	14000
30	1100	1300	3900	1040	300	840	4600	1900	24000
31	1120	1100	3300	1100	300	900	--	--	--
TOTAL	32504	--	69430	26472	--	37690	47390	--	163000

TOTAL DISCHARGE FOR YEAR (CFS-DAYS)	615056
TOTAL SUSPENDED-SEDIMENT DISCHARGE FOR YEAR (TONS)	2265660

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	3800	1700	17000	1850	750	3700	1920	600	3100
2	2700	1700	12000	1790	650	3100	1850	510	2500
3	2400	1630	11000	1760	550	2600	1940	500	2600
4	2040	1590	8800	1860	480	2400	1900	530	2700
5	1850	1400	7000	2060	400	2200	1500	500	2000
6	1800	1230	6000	1880	440	2000	700	520	980
7	1640	1200	5300	1860	380	1900	800	500	1100
8	1840	1420	7100	2140	400	2300	1600	500	2200
9	2120	1700	9700	2090	410	2300	2400	500	3200
10	2350	3260	21000	2170	400	2300	1300	300	1100
11	2160	2500	15000	1880	460	2300	1600	400	1700
12	2440	2260	15000	2090	570	3200	1900	500	2600
13	2130	1800	10000	2250	500	3000	1400	340	1300
14	1790	1160	5600	2090	500	2800	1100	240	700
15	1570	700	3000	2250	500	3000	1100	240	700
16	1580	620	2600	2290	500	3100	1040	220	600
17	1560	750	3200	2260	480	2900	880	180	420
18	1330	650	2300	2430	460	3000	1060	240	700
19	1320	370	1300	2450	500	3300	1160	400	1300
20	1620	450	2000	2580	860	6000	1040	300	850
21	1670	400	1800	2130	650	3700	1040	220	600
22	1840	520	2600	2460	770	5100	1080	240	700
23	1610	700	3000	3120	1700	14000	1200	280	900
24	1860	1290	6500	2940	2100	17000	1300	300	1100
25	1810	1040	5100	1980	1500	8000	1250	300	1000
26	1650	950	4200	1780	1100	5300	1400	340	1300
27	1600	1100	4800	1800	950	4800	1550	400	1700
28	1680	1040	4700	1860	910	4600	1550	400	1700
29	1700	1000	4600	2040	850	4700	1600	420	1800
30	1830	900	4400	2050	750	4200	1450	360	1400
31	2010	850	4600	--	--	--	1250	300	1000
TOTAL	59300	--	211200	64270	--	128800	42860	--	45550

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1140	260	800	1950	200	1100	2900	2480	19000
2	1040	220	600	1950	220	1200	3350	3100	28000
3	740	140	280	1800	240	1200	2240	1830	11000
4	700	130	240	1650	260	1200	2400	1100	7100
5	840	160	360	1850	280	1400	2580	740	5200
6	820	160	360	1700	300	1400	2270	700	4300
7	900	180	440	1600	280	1200	2100	700	4000
8	980	200	550	1600	240	1000	2050	670	3700
9	1060	220	650	1400	220	830	1950	650	3400
10	1100	240	700	1450	240	950	1700	700	3200
11	1140	260	800	1500	260	1100	1800	700	3400
12	1140	260	800	1900	280	1400	1900	700	3600
13	1140	260	800	2150	290	1700	1950	550	2900
14	1200	280	900	2100	380	2200	1950	420	2200
15	1250	300	1000	2000	500	2700	1950	360	1900
16	1550	550	2300	2200	500	3000	1900	380	1900
17	2000	170	920	2500	480	3200	2000	1140	6200
18	2700	110	800	2900	460	3600	2100	950	5400
19	2700	120	870	2900	550	4300	2200	550	3300
20	2600	110	750	2900	600	4700	2260	530	3200
21	2500	90	600	2800	550	4200	2120	740	4200
22	2300	70	430	2000	480	2600	1930	500	2600
23	2250	75	460	2000	420	2300	1500	440	1800
24	2150	80	460	1700	340	1600	1600	1100	4800
25	2200	90	550	1750	260	1200	1650	790	3500
26	2200	100	600	2200	480	2900	1700	800	3700
27	2050	110	600	2700	800	5800	1700	770	3500
28	2050	110	610	2800	1600	12000	1700	320	1500
29	2150	130	750	--	--	--	1550	260	1100
30	2200	160	950	--	--	--	1600	260	1100
31	1950	180	950	--	--	--	1600	260	1100
TOTAL	50740	--	21880	57950	--	71980	62200	--	151800

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1650	540	2400	1490	620	2500	1650	200	900
2	1700	550	2500	1360	500	1800	1600	200	860
3	1700	700	3200	1320	360	1300	1620	200	850
4	1650	440	2000	1290	220	770	1820	200	1000
5	1700	380	1700	1250	200	700	1900	190	950
6	1650	380	1700	1260	200	680	1980	180	960
7	1580	340	1400	1310	220	800	1910	160	800
8	1480	300	1200	1310	240	850	1920	160	850
9	1650	600	2700	1630	200	900	2810	1100	8300
10	1510	560	2300	1810	150	730	2890	1440	11000
11	1680	940	4300	1520	140	550	2520	700	4800
12	2500	1200	8100	1450	140	550	2210	480	2900
13	2600	1100	7700	1430	140	540	2140	390	2300
14	2600	790	5500	1400	140	550	1860	320	1600
15	2200	600	3600	1370	150	550	1750	250	1200
16	2300	480	3000	1430	260	1000	1860	180	900
17	2400	370	2400	1410	260	1000	1690	140	650
18	2100	400	2300	1510	260	1100	1420	120	460
19	1800	500	2400	1520	150	620	1120	120	360
20	1900	650	3300	1630	240	1100	984	120	320
21	2200	700	4200	1920	320	1700	998	120	320
22	2100	600	3400	2240	400	2400	1090	120	360
23	2000	320	1700	1550	170	700	1070	120	340
24	2000	280	1500	1510	260	1100	1090	120	360
25	1950	380	2000	1690	260	1200	1070	120	340
26	1900	420	2200	1670	180	800	1040	140	390
27	1900	550	2800	1830	140	690	812	180	400
28	1820	650	3200	1870	140	700	788	230	490
29	1720	480	2200	1980	220	1200	698	360	700
30	1570	910	3900	1920	170	880	646	510	890
31	--	--	--	1750	200	950	--	--	--
TOTAL	57510	--	90800	48630	--	30910	46956	--	46550

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	618	700	1200	800	150	320	1040	220	600
2	608	910	1500	838	150	340	1070	230	660
3	646	390	680	753	160	320	1060	220	650
4	627	420	710	731	160	320	998	220	600
5	656	340	600	731	160	320	862	200	460
6	618	220	360	764	170	360	825	200	440
7	580	120	190	753	190	380	862	200	460
8	530	110	160	825	210	470	900	210	510
9	506	110	150	1040	200	550	850	200	460
10	514	110	150	956	160	410	875	220	500
11	546	110	160	998	160	440	687	240	440
12	580	110	170	1180	190	600	928	240	600
13	546	110	160	914	170	420	942	260	650
14	514	110	150	875	180	420	998	280	750
15	498	120	160	900	200	490	984	310	820
16	506	130	180	1030	200	550	928	300	750
17	483	140	180	1060	200	550	888	300	700
18	455	140	170	1330	230	850	914	290	710
19	434	150	180	1120	220	650	888	280	650
20	441	150	180	1010	200	550	914	280	700
21	455	140	170	1010	240	650	998	270	730
22	455	140	170	888	200	480	956	280	700
23	514	140	190	850	180	410	900	300	750
24	506	150	200	775	170	360	838	310	700
25	554	160	240	764	180	370	850	310	710
26	618	150	250	709	180	340	942	300	750
27	562	130	200	812	200	440	928	300	750
28	570	140	220	928	210	530	970	280	750
29	627	140	240	942	200	500	900	250	610
30	618	150	260	914	200	490	753	240	480
31	709	150	280	942	200	500	--	--	--
TOTAL	17094	--	9810	28142	--	14380	27448	--	19040

TOTAL DISCHARGE FOR YEAR (CFS-DAYS)	563100
TOTAL SUSPENDED-SEDIMENT DISCHARGE FOR YEAR (TONS)	842700

06609800 MISSOURI RIVER NEAR MORMON BRIDGE AT OMAHA, NEBR.

LOCATION.--Lat 41°20'37", long 95°57'26", in SE¼NW¼ sec.21 T.16 N., R.13 E., Douglas County, at raw-water intake of Omaha Metropolitan Utilities District, Florence Station, 10.3 mi upstream from gaging station, 0.2 mi downstream from Mormon Bridge, at river mile 626.2.

PERIOD OF RECORD.--Chemical analyses: February 1974 to September 1974.

REMARKS: Chemical analyses comparable to those analyses previously published for station 06610000, July 1969 to June 1972. Some chemical analyses by Surveillance and Analysis Division, U.S. Environmental Protection Agency, Kansas City, Kans.

WATER QUALITY DATA, FEBRUARY 1974 TO SEPTEMBER 1974

DATE	TIME	DISCHARGE (CFS) (00060)	TOTAL IRON (FE) (UG/L) (01045)	TOTAL CALCIUM (CA) (MG/L) (00916)	TOTAL MAGNESIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL POTASSIUM (K) (MG/L) (00937)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)
FEB.												
20...	1545	25800	10300	40	21	49	7.3	170	10	.50	.35	1.2
MAR.												
05...	1500	23400	3650	43	20	48	5.8	153	10	.80	.06	1.2
19...	1340	22300	3800	46	24	44	5.7	175	10	.80	.03	.90
APR.												
02...	1315	32200	4530	38	22	52	5.2	192	10	.50	.08	.30
17...	1400	33300	2940	48	18	73	8.4	140	49	.40	.03	.70
MAY												
01...	1400	33700	6440	48	25	60	5.4	196	7.0	.30	.05	.50
13...	1330	32400	6480	43	23	58	5.5	204	9.0	.40	.08	.50
29...	1200	35900	4640	51	22	56	4.8	200	9.0	.30	.04	.50
JUNE												
12...	1310	35100	7750	65	25	56	5.5	194	8.0	.70	.05	.70
25...	1400	42000	27400	75	25	51	8.5	--	5.0	.90	.15	2.3
JULY												
24...	1500	35900	2410	60	21	68	4.8	208	14	.04	.09	.35
AUG.												
06...	1400	36800	2140	60	20	65	4.6	214	18	<.04	.03	.15
21...	1300	35000	1910	60	21	66	4.8	204	9.0	.10	<.04	.42
SEP.												
04...	1400	34000	1690	57	20	67	5.2	198	10	.10	.06	.44
17...	1330	34800	1710	58	24	65	4.7	210	9.0	.05	<.05	.23

DATE	TOTAL PHOSPHORUS (P) (MG/L) (00665)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	TURBIDITY (NTU) (00076)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL CADMIUM (CD) (UG/L) (01027)	TOTAL CHROMIUM (CR) (UG/L) (01034)	TOTAL COPPER (CU) (UG/L) (01042)	TOTAL LEAD (PB) (UG/L) (01051)	TOTAL MERCURY (HG) (UG/L) (71900)	TOTAL ZINC (ZN) (UG/L) (01092)
FEB.											
20...	.45	462	77	12	11	8	12	26	<50	1.2	147
MAR.											
05...	.20	442	29	--	4.0	8	9	19	50	2.0	117
19...	.10	506	31	--	7.0	8	18	13	<50	<.5	59
APR.											
02...	.20	462	19	16	3.5	13	25	15	<50	1.3	63
17...	.40	556	20	22	2.5	<5	<5	18	80	.4	59
MAY											
01...	.30	492	52	20	2.5	8	<5	20	80	.2	79
13...	.27	460	45	16	4.0	10	12	16	<50	.5	56
29...	.20	480	30	15	4.0	7	11	16	50	1.9	74
JUNE											
12...	.30	464	54	15	4.0	6	11	14	40	.6	45
25...	.92	488	44	75	16	13	32	35	30	.6	250
JULY											
24...	.07	--	22	12	10	<5	9	10	20	.2	34
AUG.											
06...	.09	504	16	13	9.0	<5	7	9	30	.9	143
21...	.14	520	0	10	8.0	<5	9	11	60	.2	85
SEP.											
04...	.15	494	9	13	8.8	<5	7	24	40	.5	199
17...	.10	478	--	12	6.3	--	<5	33	<50	.9	73

06609800 MISSOURI RIVER NEAR MORMON BRIDGE AT OMAHA, NEBR.--Continued

WATER QUALITY DATA, FEBRUARY 1974 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)
FEB.										
20...	1545	25800	190	0	156	7.5	3.0	65	11.5	2180
MAR.										
05...	1500	23400	204	0	167	7.7	6.0	35	11.0	1560
19...	1340	22300	224	0	184	7.8	4.0	25	12.0	1700
APR.										
02...	1315	32200	--	--	--	--	--	--	--	--
02...	1350	--	203	0	167	7.8	9.5	35	11.0	1200
17...	1400	33300	230	0	189	7.8	14.0	55	9.5	600
MAY										
01...	1400	33700	208	0	171	8.0	15.5	50	9.1	3570
13...	1330	32400	208	0	171	7.8	16.0	50	8.4	8540
29...	1200	35900	210	0	172	7.6	20.5	25	7.6	726
JUNE										
12...	1310	35100	206	0	169	7.8	19.0	50	8.3	13600
25...	1400	42000	210	0	172	7.4	24.0	260	5.9	12300
JULY										
10...	1400	--	194	0	159	8.0	25.0	30	6.8	23000
24...	1500	35900	210	0	172	7.7	27.5	25	7.2	264
AUG.										
06...	1400	36800	216	0	177	7.9	21.5	25	9.8	--
21...	1300	35000	212	0	174	7.8	23.0	25	6.8	933
SEP.										
04...	1400	34000	196	0	161	8.0	20.0	20	8.9	1030
17...	1330	34800	200	0	164	7.8	21.0	20	7.9	667

06682505 NORTH PLATTE RIVER AT MC GREW, NEBR.

LOCATION.--Lat 41°45'42", long 103°25'02", in SW¼ sec.25, T.21 N., R.53 W., Scotts Bluff County, at bridge on county road 1.2 mi (1.9 km) north of State Highway 92, 0.3 mi (0.5 km) downstream from Ninemile Creek and 0.9 mi (1.4 km) north of McGrew.

PERIOD OF RECORD.--Chemical analyses: June 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT. 10...	1230	2020	42	40	20	83	20	90	9.8	296
NOV. 20...	1015	1590	--	--	--	--	--	--	--	--
DEC. 12...	0830	1410	--	--	--	--	--	--	--	--
JAN. 17...	1100	1460	39	70	60	82	20	97	10	311
FEB. 20...	1000	1370	--	--	--	--	--	--	--	--
MAR. 20...	0845	5190	--	--	--	--	--	--	--	--
APR. 15...	0845	5330	15	20	40	70	22	70	5.6	232
MAY 13...	0845	1940	--	--	--	--	--	--	--	--
JUNE 17...	0850	3650	--	--	--	--	--	--	--	--
JULY 15...	0855	689	29	60	360	74	19	92	9.0	284
AUG. 12...	0845	986	--	--	--	--	--	--	--	--
SEP. 16...	0900	1370	--	--	--	--	--	--	--	--

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT. 10...	0	243	190	19	.6	--	2.0	.13	.62	.75
NOV. 20...	--	--	--	--	--	--	--	--	--	--
DEC. 12...	--	--	--	22	--	--	2.5	.20	.57	.77
JAN. 17...	0	255	200	23	.5	2.7	2.6	.37	.93	1.3
FEB. 20...	--	--	--	20	--	2.4	2.3	.10	.63	.73
MAR. 20...	--	--	--	17	--	.76	.77	.27	.58	.85
APR. 15...	0	190	210	17	.6	.67	.64	.11	.51	.62
MAY 13...	--	--	--	17	--	1.2	1.1	.07	.47	.54
JUNE 17...	--	--	--	15	--	.89	.89	.02	1.1	1.1
JULY 15...	0	233	190	20	.5	1.6	1.7	.06	1.1	1.2
AUG. 12...	--	--	--	21	--	1.9	1.9	.11	3.0	3.1
SEP. 16...	--	--	--	20	--	1.6	1.6	.01	.99	1.0

06682505 NORTH PLATTE RIVER AT MC GREW, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT. 10...	--	.11	.07	--	609	.83	3320	290	47	2.3
NOV. 20...	--	--	--	--	--	--	--	--	--	--
DEC. 12...	--	.15	.08	619	--	.84	2360	--	--	--
JAN. 17...	4.0	.26	.12	--	637	.87	2510	290	32	2.5
FEB. 20...	3.1	.14	.04	609	--	.83	2250	--	--	--
MAR. 20...	1.6	.14	.02	541	--	.74	7580	--	--	--
APR. 15...	1.3	.09	.04	--	528	.72	7600	270	75	1.9
MAY 13...	1.7	.22	.05	540	--	.73	2830	--	--	--
JUNE 17...	2.0	.14	.03	501	--	.68	4940	--	--	--
JULY 15...	2.8	.81	.06	--	582	.79	1080	260	30	2.5
AUG. 12...	5.0	1.4	.08	607	--	.83	1620	--	--	--
SEP. 16...	2.6	.40	.28	600	--	.82	2220	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)
OCT. 10...	850	7.6	10.0	6	--	12.8	3.0	100	140	--
NOV. 20...	--	7.8	3.0	--	10	7.1	1.6	250	110	--
DEC. 12...	962	7.8	5.0	--	25	9.7	1.7	520	420	--
JAN. 17...	957	7.6	5.0	20	40	11.0	3.3	1600	1800	4
FEB. 20...	901	8.1	5.0	--	30	9.7	1.4	150	200	--
MAR. 20...	808	7.1	4.0	--	20	8.1	5.6	17	120	--
APR. 15...	790	7.4	6.5	20	15	10.5	2.0	130	16	5
MAY 13...	800	7.7	13.0	--	45	7.9	2.2	360	315	--
JUNE 17...	710	7.6	19.5	--	45	7.3	4.9	170	480	--
JULY 15...	880	7.9	21.0	7	50	7.8	1.7	930	880	--
AUG. 12...	919	--	17.0	--	--	--	2.2	--	--	--
SEP. 16...	892	7.7	15.0	--	55	8.8	2.1	530	600	--

DATE	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 10...	160	--	--	--	--	--	--	--	--	--
NOV. 20...	--	--	--	--	--	--	--	--	--	--
DEC. 12...	--	--	--	--	--	--	--	--	--	--
JAN. 17...	140	1	0	16	5	.1	.1	6	0	70
FEB. 20...	--	--	--	--	--	--	--	--	--	--
MAR. 20...	--	--	--	--	--	--	--	--	--	--
APR. 15...	110	1	0	70	2	.1	.0	7	0	170
MAY 13...	--	--	--	--	--	--	--	--	--	--
JUNE 17...	--	--	--	--	--	--	--	--	--	--
JULY 15...	160	--	--	--	--	--	--	--	--	--
AUG. 12...	--	--	--	--	--	--	--	--	--	--
SEP. 16...	--	--	--	--	--	--	--	--	--	--

06684500 NORTH PLATTE RIVER AT BRIDGEPORT, NEBR.

LOCATION.--Lat 41°40'39", long 103°05'45", in NW¼SW¼ sec.38, T.20 N., R.50 W., Morrill County, at gaging station at bridge on U.S. Highway 26, 0.5 mi (0.8 km) north of Bridgeport.

DRAINAGE AREA.--29,300 mi^2 (75,900 km^2), approximately, of which about 23,300 mi^2 (60,300 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: December 1970 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT.							
02...	1500	2970	1060	7.8	18.0	25	8.0
10...	1420	2400	759	7.8	10.0	20	11.8
15...	1530	2340	972	7.8	14.5	15	9.5
23...	1430	1960	1020	7.8	15.0	15	12.1
NOV.							
01...	0840	1900	989	7.8	7.0	15	9.3
07...	1450	1870	891	7.8	7.0	20	11.8
13...	1545	1900	892	7.8	11.0	15	9.1
19...	1410	1600	984	7.8	4.0	20	11.8
30...	1615	1430	855	7.8	7.5	10	12.7
DEC.							
06...	1350	1380	728	7.7	4.0	15	13.8
11...	1330	1600	1020	7.8	6.0	20	10.8
19...	1350	1450	953	7.7	1.0	25	9.2
28...	1305	1330	1040	7.7	2.0	15	12.8
JAN.							
15...	1530	1880	1035	7.5	3.5	10	10.0
FEB.							
19...	1340	1380	918	8.0	8.0	25	10.6
APR.							
16...	1530	5380	827	7.8	13.0	20	11.0
MAY							
14...	1445	1600	848	7.6	14.0	45	8.9
JUNE							
18...	1605	3080	730	7.8	25.0	50	7.9
JULY							
16...	1550	630	972	7.7	26.5	55	7.3
AUG.							
13...	1550	1100	878	7.9	25.0	70	9.5
SEP.							
17...	1600	1810	882	7.4	20.0	55	8.5

06686000 NOR^TH PLATTE RIVER AT LISCO, NEBR.

LOCATION.--Lat 41°29'18", long 102°37'25", in NW¼SE¼ sec.33, T.18 N., R.46 W., Garden County, at gaging station at highway bridge 0.5 mi (0.8 km) south of Lisco.

DRAINAGE AREA.--30,700 mi^2 (79,500 km^2), approximately. of which about 24,700 mi^2 (64,000 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: March 1970 to September 1974.
Water temperatures: October 1970 to September 1974.

EXTREMES.--1973-74:
Specific conductance: Maximum daily, 1,020 micromhos Jan. 4, 5; minimum daily, 724 micromhos June 22.
Water temperatures: Maximum, 28.0°C July 8, 26; minimum, freezing point on several days during December to January.

Period of record:
Specific conductance: Maximum daily, 1,100 micromhos Jan. 6, 1971; minimum daily, 578 micromhos Dec. 30, 1970.
Water temperatures: Maximum (1971-74), 31.0°C July 19, 1972; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DIS-SOLVED IRON (FE) (UG/L) (01046)	TOTAL MAN-GANESE (MN) (UG/L) (01055)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT.												
02...	1215	3490	--	--	--	--	--	--	--	--	--	--
10...	1215	2590	--	--	--	--	--	80	20	88	9.7	261
15...	1215	2650	--	--	--	--	--	--	--	--	--	--
23...	1100	2080	--	--	--	--	--	--	--	--	--	--
31...	1040	2040	--	--	--	--	--	--	--	--	--	--
NOV.												
06...	1145	1940	--	--	--	--	--	--	--	--	--	--
13...	1345	1990	--	--	--	--	--	--	--	--	--	--
19...	0940	1890	--	--	--	--	--	83	19	83	9.8	297
19...	1130	1890	--	--	--	--	--	--	--	--	--	--
30...	1430	1720	--	--	--	--	--	--	--	--	--	--
DEC.												
06...	1100	1560	--	--	--	--	--	--	--	--	--	--
1	1000	1600	--	--	--	--	--	85	20	87	9.8	304
1	1100	1600	--	--	--	--	--	--	--	--	--	--
1	1100	1630	--	--	--	--	--	--	--	--	--	--
2	1330	1880	--	--	--	--	--	--	--	--	--	--
JAN												
15.	1325	1980	--	--	--	--	--	77	19	82	9.7	292
FEB.												
19...	1030	1540	41	--	--	--	--	79	19	83	10	306
MAR.												
19...	1315	5700	--	--	--	--	--	--	--	--	--	--
19...	1330	5700	20	1800	60	150	13	76	22	71	7.4	248
APR.												
16...	1230	5340	19	--	--	--	--	70	21	73	6.5	237
MAY												
14...	1130	2040	28	--	--	--	--	71	20	74	7.7	260
JUNE												
18...	1110	3290	23	4900	20	230	0	66	18	65	7.0	221
JULY												
02...	1150	1730	--	--	--	--	--	--	--	--	--	--
09...	1115	900	--	--	--	--	--	--	--	--	--	--
16...	1100	693	35	--	--	--	--	74	20	82	9.2	228
23...	1115	619	--	--	--	--	--	--	--	--	--	--
30...	1100	723	--	--	--	--	--	--	--	--	--	--
AUG.												
06...	1145	658	--	--	--	--	--	--	--	--	--	--
13...	1100	1270	39	--	--	--	--	77	19	79	11	278
13...	1115	1270	--	--	--	--	--	--	--	--	--	--

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)
OCT.												
02...	--	--	--	--	--	--	--	--	--	--	--	--
10...	2	217	190	20	--	1.7	.01	1.5	1.7	.10	--	.28
15...	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
19...	3	249	180	20	--	2.2	.01	2.2	2.2	.04	--	.74
19...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
11...	0	249	190	21	--	2.4	.01	2.4	2.4	.06	--	.52
11...	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
15...	0	240	180	19	--	2.1	.02	2.2	2.1	.25	--	.48
FEB.												
19...	0	251	170	20	--	2.3	.01	2.5	2.3	.07	--	.60
MAR.												
19...	--	--	--	--	--	--	--	--	--	--	--	--
19...	0	203	200	19	.4	--	--	.76	.75	.19	.10	.59
APR.												
16...	0	194	200	17	--	.01	.00	.64	.62	.14	--	.54
MAY												
14...	0	213	180	18	--	1.3	.01	1.3	1.3	.08	--	.54
JUNE												
18...	1	183	170	14	.5	--	--	.64	.64	.01	.01	1.6
JULY												
02...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
16...	24	227	190	20	--	1.2	.00	1.2	1.2	.23	--	.97
23...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
13...	0	228	180	20	--	1.8	.01	1.8	1.8	.09	--	1.0
13...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L) (00607)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L) (00623)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)
OCT.												
02...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	.38	--	1.9	--	.06	--	--	--	280	65	2.3
15...	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	.78	--	3.0	--	.06	--	--	--	290	37	2.1
19...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	.58	--	3.0	--	.07	--	--	--	290	45	2.2
11...	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
15...	--	.73	--	2.9	.10	.08	--	--	--	270	31	2.2
FEB.												
19...	--	.67	--	3.2	.14	.04	583	.79	2420	280	25	2.2
MAR.												
19...	--	--	--	--	--	--	--	--	--	--	--	--
19...	.59	.78	.69	1.5	.12	.02	542	.74	8340	280	77	1.8
APR.												
16...	--	.68	--	1.3	.03	.01	526	.72	7590	260	67	2.0
MAY												
14...	--	.62	--	1.9	.21	.04	533	.72	2940	260	46	2.0
JUNE												
18...	1.3	1.6	1.3	2.2	.19	.00	477	.65	4240	240	56	1.8
JULY												
02...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	1.2	--	2.4	.37	.02	572	.78	1070	270	40	2.2
23...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	1.1	--	2.9	.58	.14	570	.78	1950	270	42	2.1
13...	--	--	--	--	--	--	--	--	--	--	--	--

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	IMME- DIATE COLI- FORM (COL. PER 100 ML) (31501)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
OCT.											
02...	900	7.7	17.0	--	35	7.9	--	--	--	--	--
10...	908	7.7	9.5	5	25	12.3	--	1.3	--	30	45
15...	992	7.7	13.0	--	20	9.2	--	--	--	--	--
23...	963	7.8	10.5	--	20	11.3	--	--	--	--	--
31...	948	7.9	8.0	--	15	7.3	--	--	--	--	--
NOV.											
06...	1070	7.8	6.0	--	20	10.9	--	--	--	--	--
13...	976	7.9	10.5	--	20	9.5	--	--	--	--	--
19...	910	7.7	4.5	5	20	12.4	--	.8	--	40	37
19...	--	--	--	--	--	--	--	--	--	--	--
30...	980	7.8	6.0	--	10	13.5	--	--	--	--	--
DEC.											
06...	868	7.8	1.0	--	10	14.1	--	--	--	--	--
11...	1020	8.0	3.0	5	25	11.3	--	1.2	--	54	48
11...	--	--	--	--	--	--	--	--	--	--	--
19...	940	7.8	.0	--	15	9.2	--	--	--	--	--
26...	892	7.8	2.0	--	20	9.3	--	--	--	--	--
JAN.											
15...	995	7.5	.5	20	20	10.8	--	.8	--	30	67
FEB.											
19...	875	8.3	5.5	20	30	10.8	--	1.7	--	6	58
MAR.											
19...	--	--	--	--	--	--	--	--	--	--	--
19...	822	7.6	8.0	20	30	9.8	20	1.3	40	15	120
APR.											
16...	815	7.7	9.0	7	20	10.4	--	2.0	32	2	51
MAY											
14...	800	7.8	11.0	20	55	9.3	--	1.9	--	73	248
JUNE											
18...	734	8.4	24.0	7	85	8.0	26	1.5	1100	260	230
JULY											
02...	758	7.9	29.0	--	50	8.3	--	--	--	--	--
09...	828	7.8	26.0	--	55	7.6	--	--	--	--	--
16...	846	8.5	24.0	30	--	--	--	2.4	--	--	--
23...	789	7.9	24.0	--	55	9.0	--	--	--	--	--
30...	900	7.9	24.0	--	60	9.4	--	--	--	--	--
AUG.											
06...	880	7.7	21.5	--	60	9.6	--	--	--	--	--
13...	869	7.6	22.5	20	100	9.6	--	2.7	770	830	740
13...	--	--	22.5	--	--	--	--	--	--	--	--

DATE	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	ALDRIN IN FILT. FRAC. (UG/L) (39331)	ALDRIN (UG/L) (39330)	ALDRIN IN BOTTOM DE- POSITS (UG/KG) (39333)	CHLOR- DANE IN FILT. FRAC. (UG/L) (39352)	CHLOR- DANE (UG/L) (39350)	CHLOR- DANE IN BOTTOM DE- POSITS (UG/KG) (39351)	DDD IN FILT. FRAC. (UG/L) (39361)	DDD (UG/L) (39360)	DDD IN BOTTOM DE- POSITS (UG/KG) (39363)	DDE IN FILT. FRAC. (UG/L) (39366)
OCT.											
02...	--	--	--	--	--	--	--	--	--	--	--
10...	.0	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
06...	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
19...	.0	.00	.00	.0	.0	.0	0	.00	.00	.0	.00
19...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
06...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
15...	.0	--	--	--	--	--	--	--	--	--	--
FEB.											
19...	.0	--	--	--	--	--	--	--	--	--	--
MAR.											
19...	--	--	--	--	--	--	--	--	--	--	--
19...	--	.00	.00	.0	.0	.0	0	.00	.00	.0	.00
APR.											
16...	.0	.00	.00	.0	.0	.0	0	.00	.00	.0	.00
MAY											
14...	.0	--	--	--	--	--	--	--	--	--	--
JUNE											
18...	--	--	--	--	--	--	--	--	--	--	--
JULY											
02...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
16...	.0	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
06...	--	--	--	--	--	--	--	--	--	--	--
13...	.0	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DIS-SOLVED IRON (FE) (UG/L) (01046)	TOTAL MAN-GANESE (MN) (UG/L) (01055)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)
AUG.											
20...	1130	984	--	--	--	--	--	--	--	--	--
27...	1115	876	--	--	--	--	--	--	--	--	--
SEP.											
03...	1130	1410	--	--	--	--	--	--	--	--	--
10...	1045	1660	--	--	--	--	--	--	--	--	--
17...	1130	1960	38	5500	30	190	0	78	20	71	12
24...	1110	1880	--	--	--	--	--	--	--	--	--

DATE	BICAR-BONATE (HCO3) (MG/L) (00440)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L) (00607)
AUG.											
20...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
03...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
17...	277	227	190	22	.5	1.7	1.6	.05	.02	1.1	.64
24...	--	--	--	--	--	--	--	--	--	--	--

DATE	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L) (00623)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)
AUG.											
20...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
03...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
17...	1.1	.66	2.8	.26	.06	575	.78	3040	280	50	1.9
24...	--	--	--	--	--	--	--	--	--	--	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
AUG.											
20...	835	7.8	22.0	--	55	9.1	--	--	--	--	--
27...	835	7.7	20.5	--	45	9.3	--	--	--	--	--
SEP.											
03...	868	7.9	14.5	--	70	10.3	--	--	--	--	--
10...	868	7.6	19.5	--	50	9.8	--	--	--	--	--
17...	861	8.3	15.0	7	60	8.8	16	1.6	830	100	250
24...	831	7.9	15.5	--	50	7.4	--	--	--	--	--

DATE	DDE (UG/L) (39365)	DDE IN BOTTOM DE-POSITS (UG/KG) (39368)	DDT IN FILT. FRAC. (UG/L) (39371)	DDT (UG/L) (39370)	DDT IN BOTTOM DE-POSITS (UG/KG) (39373)	DI-AZINON IN FILT. FRAC. (UG/L) (39572)	DI-AZINON (UG/L) (39570)	DI-ELDRIN IN FILT. FRAC. (UG/L) (39381)	DI-ELDRIN (UG/L) (39380)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG) (39383)	ENDRIN IN FILT. FRAC. (UG/L) (39391)	ENDRIN (UG/L) (39390)
NOV.												
19...	.00	.0	.00	.00	.0	.00	.00	.00	.00	.0	.00	.00
MAR.												
19...	.00	.0	.00	.00	.0	.00	.00	.00	.00	.0	.00	.00
APR.												
16...	.00	.0	.00	.00	.0	.00	.00	.00	.00	.0	.00	.00
JUNE												
18...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
17...	--	--	--	--	--	--	--	--	--	--	--	--

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	ENDRIN IN BOTTOM DE-POSITS (UG/KG) (39393)	HEPTA-CHLOR IN FILT. FRAC. (UG/L) (39411)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG) (39413)	HEPTA-CHLOR EPOXIDE IN FILT. FRAC. (UG/L) (39421)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG) (39423)	LINDANE IN FILT. FRAC. (UG/L) (39341)	LINDANE (UG/L) (39340)	LINDANE IN BOTTOM DE-POSITS (UG/KG) (39343)	MALA-THION IN FILT. FRAC. (UG/L) (39532)
NOV. 19...	.0	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00
MAR. 19...	.0	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00
APR. 16...	.0	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00
JUNE 18...	--	--	--	--	--	--	--	--	--	--	--
SEP. 17...	--	--	--	--	--	--	--	--	--	--	--

DATE	MALA-THION (UG/L) (39530)	METHYL PARA-THION IN FILT. FRAC. (UG/L) (39602)	METHYL PARA-THION (UG/L) (39600)	PARA-THION IN FILT. FRAC. (UG/L) (39542)	PARA-THION (UG/L) (39540)	PCB IN FILT. FRAC. (UG/L) (39517)	PCB (UG/L) (39516)	2,4-D IN FILT. FRAC. (UG/L) (39732)	2,4-D (UG/L) (39730)	2,4,5-T IN FILT. FRAC. (UG/L) (39742)	2,4,5-T (UG/L) (39740)
NOV. 19...	.00	.00	.00	.00	.00	.0	.0	.00	.00	.00	.00
MAR. 19...	.00	.00	.00	.00	.00	.0	.0	.00	.00	.00	.00
APR. 16...	.00	.00	.00	.00	.00	.0	.0	.00	.00	.00	.00
JUNE 18...	--	--	--	--	--	--	--	--	--	--	--
SEP. 17...	--	--	--	--	--	--	--	--	--	--	--

DATE	SILVEX IN FILT. FRAC. (UG/L) (39762)	SILVEX (UG/L) (39760)	TOTAL ARSENIC (AS) (UG/L) (01002)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	TOTAL COBALT (CO) (UG/L) (01037)	DIS-SOLVED COBALT (CO) (UG/L) (01035)
NOV. 19...	.00	.00	--	--	--	--	--	--	--	--	--
MAR. 19...	.00	.00	5	2	120	<10	0	0	0	<50	0
APR. 16...	.00	.00	--	--	--	--	--	--	--	--	--
JUNE 18...	--	--	11	6	110	<10	1	0	0	<50	0
SEP. 17...	--	--	7	1	150	<10	0	0	0	<50	1

DATE	TOTAL COPPER (CU) (UG/L) (01042)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	TOTAL SELE-NIUM (SE) (UG/L) (01147)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	TOTAL ZINC (ZN) (UG/L) (01092)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
NOV. 19...	--	--	--	--	--	--	--	--	--	--	--
MAR. 19...	410	3	<100	0	.1	.0	5	6	0	170	130
APR. 16...	--	--	--	--	--	--	--	--	--	--	--
JUNE 18...	20	40	<100	8	.0	.0	4	2	0	800	730
SEP. 17...	<10	2	<100	0	.0	.0	4	4	0	80	50

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	851	845	845	904	883	871	799	751	836	757	832	857
2	851	840	845	1000	879	867	800	765	826	767	834	815
3	847	814	845	1010	827	834	777	761	821	762	826	851
4	847	816	845	1020	874	834	793	761	816	762	828	853
5	832	830	845	1020	878	830	787	761	811	799	830	849
6	838	824	845	980	876	824	796	818	820	783	832	845
7	830	836	845	971	856	824	798	770	813	808	814	841
8	838	828	845	947	784	823	807	794	764	811	810	859
9	836	849	845	919	872	832	807	798	751	814	798	857
10	836	853	846	937	881	836	809	794	780	817	797	850
11	808	842	846	832	878	813	805	800	780	821	810	854
12	812	845	846	834	885	804	798	800	759	842	828	842
13	830	855	846	864	882	822	822	817	759	837	824	838
14	834	842	846	922	878	830	798	815	749	824	836	868
15	832	858	846	884	858	813	800	828	733	816	822	863
16	838	828	846	838	864	827	792	832	730	829	834	854
17	840	834	846	828	864	822	787	830	732	837	836	848
18	832	834	846	830	862	827	782	830	730	842	836	848
19	832	842	847	846	856	827	782	842	730	840	828	855
20	836	834	847	855	830	831	781	825	727	840	832	857
21	830	834	847	870	861	818	781	835	728	842	836	849
22	838	836	847	879	861	816	769	840	724	848	832	850
23	838	834	847	863	853	820	771	835	733	844	836	853
24	840	842	847	886	853	810	767	846	726	855	834	851
25	838	847	847	890	855	808	768	846	733	820	824	854
26	840	842	847	886	888	809	765	840	726	837	826	856
27	843	842	847	910	836	808	763	842	727	840	832	856
28	843	842	847	914	869	810	760	840	728	836	832	850
29	834	845	847	888	---	810	760	842	733	842	834	848
30	836	845	853	888	---	808	757	817	758	838	832	858
31	838	---	829	888	---	797	---	835	---	845	830	---
MONTH	836	839	846	903	862	823	786	813	759	821	827	851

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.0	9.0	4.0	0.0	3.5	12.5	8.0	14.0	14.0	23.0	25.0	16.0
2	16.0	8.0	5.0	0.0	5.0	11.0	9.0	14.0	23.0	21.0	25.0	18.0
3	15.0	5.0	5.0	0.5	5.0	7.0	4.5	15.0	22.0	22.0	25.0	14.0
4	15.0	4.0	5.0	0.5	4.0	5.0	4.5	17.0	21.0	21.5	25.0	22.0
5	12.0	6.0	5.0	0.0	3.5	3.5	5.0	18.5	19.0	24.5	24.0	21.0
6	17.0	6.5	5.0	0.0	2.0	4.0	9.0	19.0	18.0	25.0	22.0	17.0
7	17.0	6.5	5.0	1.0	1.5	4.0	9.0	20.0	17.0	26.0	22.0	17.0
8	13.0	6.5	3.0	1.0	1.0	5.0	7.0	19.0	14.0	28.0	22.0	17.0
9	11.0	7.0	4.0	1.0	5.0	5.0	9.0	18.0	14.0	26.0	23.0	19.0
10	10.0	7.0	4.0	1.0	4.0	6.0	10.0	18.0	14.0	25.0	23.0	19.0
11	8.0	10.0	4.0	1.0	4.0	3.5	8.5	18.0	15.0	27.0	24.0	17.0
12	11.0	9.0	4.0	1.0	7.0	4.5	6.0	18.0	19.0	24.0	24.0	15.0
13	10.0	10.0	3.0	2.5	7.5	5.0	8.0	15.0	20.0	22.0	24.0	11.0
14	11.0	10.0	2.5	3.0	8.0	7.0	7.0	9.0	19.5	24.0	25.0	11.0
15	14.0	9.0	4.0	3.0	8.5	7.0	7.0	11.5	20.0	24.0	25.0	18.0
16	13.0	8.0	3.0	3.0	8.5	8.5	7.0	19.0	22.0	25.0	25.0	19.0
17	15.0	8.0	3.0	1.5	9.0	9.0	9.0	14.0	24.0	25.0	25.0	18.0
18	17.0	6.0	3.0	2.0	9.0	9.0	11.0	14.0	25.0	25.0	24.0	18.0
19	16.0	5.0	3.0	2.0	9.0	7.0	12.0	15.0	25.0	23.0	23.0	18.0
20	16.0	2.0	2.0	2.5	6.0	3.5	12.0	16.0	25.0	23.0	22.0	15.0
21	15.0	5.0	2.0	3.0	5.0	3.0	11.0	16.5	24.0	23.0	18.0	17.0
22	15.0	5.0	1.0	1.0	6.0	4.5	11.0	20.0	24.0	22.0	22.0	17.0
23	12.0	5.0	3.0	1.5	5.0	2.0	11.0	23.0	24.0	23.0	23.0	16.0
24	11.0	5.0	3.0	4.0	5.0	4.0	12.0	21.0	24.0	24.0	18.0	16.0
25	12.0	6.0	3.0	4.0	7.0	4.0	15.0	21.0	24.0	20.0	19.0	16.0
26	10.0	5.0	2.0	4.0	7.0	10.0	16.0	20.0	23.0	28.0	20.0	14.0
27	8.0	5.0	1.0	5.0	10.0	8.0	15.0	19.0	21.0	27.0	20.0	15.0
28	8.0	5.0	0.5	4.0	12.0	9.0	14.0	19.0	23.0	26.0	20.0	13.0
29	9.0	5.0	0.5	5.0	---	9.0	14.0	19.0	26.0	25.0	20.0	13.0
30	11.0	7.0	0.0	4.0	---	9.0	12.0	19.0	25.0	26.0	20.0	11.0
31	9.0	---	0.0	4.0	---	9.0	---	14.0	---	26.0	18.0	---
MONTH	12.5	6.5	3.0	2.0	6.0	6.5	10.0	17.0	21.0	24.5	22.5	16.5

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	DIS-CHARGE (CFS) (00060)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
JUNE										
18...	1110	24.0	3290	219	1950	80	98	99	100	--
JULY										
16...	1100	24.0	693	272	509	73	75	77	87	98
AUG.										
13...	1115	22.5	1270	593	2030	69	80	84	87	100
SEP.										
17...	1130	15.0	1960	430	2280	63	84	88	90	97

DATE	TIME	NUMBER OF SAM-PLING POINTS (00063)	DIS-CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
NOV.												
19...	1130	3	1890	--	0	3	23	65	80	92	98	99
DEC.												
11...	1100	2	1600	0	1	14	29	49	67	88	98	100
MAR.												
19...	1315	3	5700	--	0	3	19	54	75	93	99	100
JUNE												
18...	1110	3	3290	--	0	4	26	60	81	94	99	100
SEP.												
17...	1130	3	1960	--	0	13	28	56	73	92	100	--

06690500 NORTH PLATTE RIVER NEAR KEYSTONE, NEBR.
(Irrigation network station)

LOCATION.--Lat 41°12'30", long 101°37'50", in SW¼ sec.1, T.14 N., R.38 W., Keith County, on right bank 0.2 mi (0.3 km) downstream from diversion dam of Sutherland Reservoir supply canal and 2.5 mi (4.0 km) southwest of Keystone.

DRAINAGE AREA.--33,300 mi^2 (86,200 km^2), approximately, of which about 25,800 mi^2 (66,800 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: December 1972 to September 1973 (partial-record station), October 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT.										
01...	1250	2750	--	--	--	--	--	--	--	--
09...	1305	2370	--	--	--	--	--	--	--	--
16...	1300	2410	--	--	--	--	--	--	--	--
25...	1310	1660	--	--	--	--	--	--	--	--
NOV.										
02...	1330	1140	--	--	--	--	--	--	--	--
16...	1210	1090	--	--	--	--	--	--	--	--
28...	1320	1050	--	--	--	--	--	--	--	--
DEC.										
06...	1140	978	--	--	--	--	--	--	--	--
13...	1315	788	--	--	--	--	--	--	--	--
21...	1320	868	--	--	--	--	--	--	--	--
26...	1015	679	24	20	0	63	19	74	9.2	178
JAN.										
03...	1425	780	--	--	--	--	--	--	--	--
15...	1420	436	--	--	--	--	--	--	--	--
22...	1320	698	--	--	--	--	--	--	--	--
FEB.										
01...	1345	683	--	--	--	--	--	--	--	--
11...	1445	655	--	--	--	--	--	--	--	--
22...	1410	1500	--	--	--	--	--	--	--	--
MAR.										
01...	1255	1560	--	--	--	--	--	--	--	--
08...	1135	2240	--	--	--	--	--	--	--	--
14...	1320	3430	--	--	--	--	--	--	--	--
19...	1155	3760	--	--	--	--	--	--	--	--
26...	1155	3550	--	--	--	--	--	--	--	--
APR.										
01...	1220	3654	--	--	--	--	--	--	--	--
04...	1320	3680	22	10	0	67	20	76	8.7	239
08...	1220	3690	--	--	--	--	--	--	--	--
15...	1120	3565	--	--	--	--	--	--	--	--
24...	1340	2228	--	--	--	--	--	--	--	--
MAY										
01...	1130	1191	--	--	--	--	--	--	--	--
07...	1220	202	--	--	--	--	--	--	--	--
15...	1210	170	--	--	--	--	--	--	--	--
21...	1320	190	--	--	--	--	--	--	--	--
27...	1040	172	--	--	--	--	--	--	--	--
JUNE										
03...	1120	162	--	--	--	--	--	--	--	--
10...	1250	171	--	--	--	--	--	--	--	--
17...	1120	63	--	--	--	--	--	--	--	--
24...	1040	992	--	--	--	--	--	--	--	--
27...	1300	2030	18	1200	20	60	19	71	8.6	219
JULY										
01...	1250	1994	--	--	--	--	--	--	--	--
09...	1300	2422	--	--	--	--	--	--	--	--
18...	1430	2367	--	--	--	--	--	--	--	--
25...	1230	2521	--	--	--	--	--	--	--	--
AUG.										
01...	1235	1920	--	--	--	--	--	--	--	--
07...	1330	1370	--	--	--	--	--	--	--	--
13...	1040	468	--	--	--	--	--	--	--	--
20...	1115	1020	--	--	--	--	--	--	--	--
27...	1035	931	--	--	--	--	--	--	--	--
SEP.										
03...	1250	566	--	--	--	--	--	--	--	--
09...	1125	100	--	--	--	--	--	--	--	--
16...	1225	109	--	--	--	--	--	--	--	--
25...	1225	104	--	--	--	--	--	--	--	--

06690500 NORTH PLATTE RIVER NEAR KEYSTONE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT.									
01...	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--
NOV.									
02...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
DEC.									
06...	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--
26...	55	238	150	18	.4	.68	.04	504	.69
JAN.									
03...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--
FEB.									
01...	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--
MAR.									
01...	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
APR.									
01...	--	--	--	--	--	--	--	--	--
04...	3	201	180	17	.6	.57	.02	515	.70
08...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--
MAY									
01...	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--
JUNE									
03...	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--
27...	2	183	170	17	.4	.31	.00	477	.65
JULY									
01...	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--
AUG.									
01...	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--
SEP.									
03...	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--

06690500 NORTH PLATTE RIVER NEAR KEYSTONE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
01...	--	--	--	--	716	--	--	--	--
09...	--	--	--	--	722	--	--	--	--
16...	--	--	--	--	730	--	--	--	--
25...	--	--	--	--	729	--	--	--	--
NOV.									
02...	--	--	--	--	703	--	--	--	--
16...	--	--	--	--	686	--	--	--	--
28...	--	--	--	--	700	--	--	--	--
DEC.									
06...	--	--	--	--	728	--	--	--	--
13...	--	--	--	--	728	--	--	--	--
21...	--	--	--	--	731	--	--	--	--
26...	924	240	0	2.1	765	8.5	4.0	10	140
JAN.									
03...	--	--	--	--	753	--	--	--	--
15...	--	--	--	--	752	--	--	--	--
22...	--	--	--	--	767	--	--	--	--
FEB.									
01...	--	--	--	--	746	--	--	--	--
11...	--	--	--	--	770	--	--	--	--
22...	--	--	--	--	781	--	--	--	--
MAR.									
01...	--	--	--	--	747	--	--	--	--
08...	--	--	--	--	746	--	--	--	--
14...	--	--	--	--	746	--	--	--	--
19...	--	--	--	--	730	--	--	--	--
26...	--	--	--	--	761	--	--	--	--
APR.									
01...	--	--	--	--	716	--	--	--	--
04...	5120	250	49	2.1	788	8.4	7.0	7	120
08...	--	--	--	--	748	--	--	--	--
15...	--	--	--	--	764	--	--	--	--
24...	--	--	--	--	739	--	--	--	--
MAY									
01...	--	--	--	--	696	--	--	--	--
07...	--	--	--	--	742	--	--	--	--
15...	--	--	--	--	731	--	--	--	--
21...	--	--	--	--	733	--	--	--	--
27...	--	--	--	--	749	--	--	--	--
JUNE									
03...	--	--	--	--	741	--	--	--	--
10...	--	--	--	--	712	--	--	--	--
17...	--	--	--	--	726	--	--	--	--
24...	--	--	--	--	741	--	--	--	--
27...	2610	230	45	2.0	745	8.5	17.0	5	120
JULY									
01...	--	--	--	--	727	--	--	--	--
09...	--	--	--	--	712	--	--	--	--
18...	--	--	--	--	732	--	--	--	--
25...	--	--	--	--	749	--	--	--	--
AUG.									
01...	--	--	--	--	711	--	--	--	--
07...	--	--	--	--	748	--	--	--	--
13...	--	--	--	--	708	--	--	--	--
20...	--	--	--	--	748	--	--	--	--
27...	--	--	--	--	747	--	--	--	--
SEP.									
03...	--	--	--	--	741	--	--	--	--
09...	--	--	--	--	739	--	--	--	--
16...	--	--	--	--	733	--	--	--	--
25...	--	--	--	--	737	--	--	--	--

06762550 LODGEPOLE CREEK AT KIMBALL, NEBR

LOCATION.--Lat 41°14'50", long 103°38'32", in NW¼SW¼NW¼ sec.28, T.15 N., R.55 W., Kimball County, at bridge on county road 0.8 mi (1.3 km) north of U.S. Highway 30 at east edge of Kimball.

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT. 10...	1000	6.0	42	20	20	66	17	33	9.6	282
NOV. 20...	1245	6.2	--	--	--	--	--	--	--	--
DEC. 12...	1430	7.2	--	--	--	--	--	--	--	--
JAN. 16...	1330	4.1	47	160	20	66	15	30	8.1	272
FEB. 20...	1230	7.1	--	--	--	--	--	--	--	--
MAR. 20...	1315	10	--	--	--	--	--	--	--	--
APR. 15...	1230	7.5	41	20	40	60	15	34	7.3	257
MAY 13...	1220	2.9	--	--	--	--	--	--	--	--
JUNE 17...	1230	2.7	--	--	--	--	--	--	--	--
JULY 15...	1300	2.9	44	20	0	55	17	43	12	299
AUG. 12...	1230	3.2	--	--	--	--	--	--	--	--
SEP. 16...	1255	.71	--	--	--	--	--	--	--	--

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT. 10...	0	231	36	22	1.0	--	2.1	.45	.65	1.1
NOV. 20...	--	--	--	31	--	--	2.7	1.6	1.7	3.3
DEC. 12...	--	--	--	24	--	--	2.7	.59	1.0	1.6
JAN. 16...	0	223	30	23	.8	2.4	2.3	.66	.84	1.5
FEB. 20...	--	--	--	21	--	2.3	2.3	.47	1.5	2.0
MAR. 20...	--	--	--	24	--	2.2	2.1	.64	1.4	2.0
APR. 15...	3	216	37	21	.9	1.9	1.8	.37	.93	1.3
MAY 13...	--	--	--	27	--	1.7	1.7	.75	1.3	2.0
JUNE 17...	--	--	--	26	--	1.5	1.5	.07	1.4	1.5
JULY 15...	0	245	43	31	.8	2.1	2.6	2.0	1.6	3.6
AUG. 12...	--	--	--	28	--	1.4	1.1	.60	.70	1.3
SEP. 16...	--	--	--	37	--	4.8	4.7	1.9	1.4	3.3

06762550 LODGEPOLE CREEK AT KIMBALL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT. 10...	--	.36	.34	--	375	.51	6.07	230	4	.9
NOV. 20...	--	.94	.93	415	--	.56	6.95	--	--	--
DEC. 12...	--	.48	.35	383	--	.52	7.45	--	--	--
JAN. 16...	3.9	.42	.33	--	365	.50	4.04	230	3	.9
FEB. 20...	4.3	.37	.33	339	--	.46	6.53	--	--	--
MAR. 20...	4.2	.59	.58	359	--	.49	9.69	--	--	--
APR. 15...	3.2	.37	.24	--	354	.48	7.17	210	0	1.0
MAY 13...	3.7	.75	.64	385	--	.52	3.01	--	--	--
JUNE 17...	3.0	.68	.60	375	--	.51	2.73	--	--	--
JULY 15...	5.7	1.8	1.2	--	405	.55	3.17	210	0	1.3
AUG. 12...	2.7	.85	.59	399	--	.54	3.45	--	--	--
SEP. 16...	8.1	3.0	3.0	423	--	.58	.81	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)
OCT. 10...	575	8.0	5.0	5	--	16.1	2.1	5000	1600	--
NOV. 20...	658	7.3	.0	--	40	6.9	>4.6	16000	6400	--
DEC. 12...	585	7.9	4.0	--	35	10.2	4.8	51000	4000	--
JAN. 16...	573	7.7	.0	20	25	9.3	2.8	6200	1300	82
FEB. 20...	544	7.9	.0	--	65	10.8	3.4	1200	4300	--
MAR. 20...	559	7.2	1.5	--	50	9.6	4.2	400	200	--
APR. 15...	536	7.6	11.0	20	25	11.6	3.8	10000	320	7
MAY 13...	566	8.0	15.0	--	25	10.4	6.0	2150	880	--
JUNE 17...	530	8.3	24.0	--	10	12.7	8.5	2200	120	--
JULY 15...	621	7.8	23.0	30	20	4.9	8.6	52000	4400	--
AUG. 12...	612	7.8	20.0	--	15	9.1	3.8	2200	3900	--
SEP. 16...	635	7.9	17.0	--	20	11.0	--	1300	1900	--

DATE	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 10...	170	--	--	--	--	--	--	--	--	--
NOV. 20...	--	--	--	--	--	--	--	--	--	--
DEC. 12...	--	--	--	--	--	--	--	--	--	--
JAN. 16...	90	2	0	4	2	.0	.0	4	0	30
FEB. 20...	--	--	--	--	--	--	--	--	--	--
MAR. 20...	--	--	--	--	--	--	--	--	--	--
APR. 15...	100	0	0	9	1	.1	.0	2	0	60
MAY 13...	--	--	--	--	--	--	--	--	--	--
JUNE 17...	--	--	--	--	--	--	--	--	--	--
JULY 15...	190	--	--	--	--	--	--	--	--	--
AUG. 12...	--	--	--	--	--	--	--	--	--	--
SEP. 16...	--	--	--	--	--	--	--	--	--	--

06768000 PLATTE RIVER NEAR OVERTON, NEBR.

LOCATION.--Lat 40°40'57", long 99°23'24" (north chan.), and lat 40°40'48", long 99°32'23" (south chan.), in sec.12, T.8 N., R.20 W., Dawson-Phelps County line, at gaging station at highway bridges 4 mi (6.4 km) south of Overton and 4 mi (6.4 km) downstream from Plum Creek.

DRAINAGE AREA.--61,700 mi^2 (160,000 km^2), approximately, of which about 52,900 mi^2 (137,000 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: December 1951 to September 1952, November 1958 to September 1974.
Water temperatures: November 1958 to September 1974.

EXTREMES.--1973-74:
Specific conductance: Maximum daily, 1,150 micromhos Feb. 16 (south chan.); minimum daily, 708 micromhos Aug. 4 (north chan.).
Water temperatures: Maximum, 33.5°C July 21 (south chan.); minimum, freezing point on many days during December to February.

Period of record:
Specific conductance (1958-74): Maximum daily, 1,480 micromhos May 15, 1966 (south chan.); minimum daily, 214 micromhos July 23, 1968 (south chan.).
Water temperatures: Maximum, 37°C June 13, 1959 (south chan.), July 9, 1960 (north chan.); minimum, freezing point on many days during winter period.

06767998 PLATTE RIVER NEAR OVERTON, NEBR. (NORTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DISCHARGE (CFS) (00060)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
OCT. 16...	1040	5030	27	10	20	72	22	77	9.9	246
NOV. 15...	1350	3080	29	30	0	73	21	73	11	243
DEC. 21...	1040	2060	30	20	0	84	25	78	9.4	259
JAN. 17...	--	1980	29	10	10	82	22	77	10	248
FEB. 14...	0920	2600	26	20	13	100	32	99	12	263
MAR. 21...	1445	7060	24	10	21	80	23	81	10	253
APR. 17...	--	6330	21	90	20	71	22	79	9.1	237
MAY 16...	1100	1240	28	30	30	75	23	73	11	255
JUNE 13...	1150	1020	25	20	0	69	20	66	12	231
JULY 18...	1120	131	28	40	0	71	22	81	15	237
AUG. 22...	1315	267	26	20	0	68	22	76	12	230
SEP. 19...	1155	315	19	20	0	62	22	74	13	223

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT. 16...	0	202	200	21	.6	.24	.05	552	.75
NOV. 15...	2	203	200	22	.4	.62	.05	554	.75
DEC. 21...	0	212	230	27	.6	1.1	.10	617	.84
JAN. 17...	0	203	220	27	.5	.97	.10	594	.81
FEB. 14...	0	216	330	39	.9	1.7	.10	776	1.06
MAR. 21...	0	208	220	25	.6	.56	.06	591	.80
APR. 17...	0	194	210	21	1.5	.25	.02	553	.75
MAY 16...	0	209	210	24	.6	.59	.06	573	.78
JUNE 13...	0	189	180	21	.5	.49	.06	510	.69
JULY 18...	0	194	210	27	.5	.04	.04	572	.78
AUG. 22...	0	189	200	23	.5	.15	.02	542	.74
SEP. 19...	1	185	190	22	.5	.31	.06	515	.70

06767999 PLATTE RIVER NEAR OVERTON, NEBR. (SOUTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT. 16...	1130	1310	22	10	10	86	28	91	9.5	234
NOV. 15...	1500	962	21	10	0	95	33	98	11	245
DEC. 21...	1100	767	24	20	0	98	30	91	9.0	255
JAN. 17...	--	1620	28	10	20	91	27	89	10	259
17...	1455	1680	--	--	--	--	--	--	--	--
FEB. 14...	1010	824	24	20	10	110	33	100	12	264
MAR. 21...	1500	1720	21	10	21	99	32	100	10	242
APR. 17...	1145	1660	17	10	0	75	26	93	9.4	223
MAY 16...	1205	427	25	10	0	76	24	77	11	248
JUNE 13...	--	582	--	20	0	64	24	81	11	197
JULY 18...	1215	80	27	50	0	74	22	80	15	240
AUG. 22...	1520	75	26	20	0	55	21	78	12	232
SEP. 19...	1300	--	14	20	0	56	22	75	3.0	213

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT. 16...	4	199	290	30	.6	.73	.05	680	.92
NOV. 15...	7	213	340	36	.5	.97	.06	767	1.04
DEC. 21...	0	209	290	33	.6	1.3	.09	707	.96
JAN. 17...	0	212	280	33	.5	1.2	.05	692	.94
17...	--	--	--	--	--	--	--	--	--
FEB. 14...	0	217	360	42	.8	1.7	.13	820	1.12
MAR. 21...	6	208	320	37	.7	1.1	.06	750	1.02
APR. 17...	0	183	270	29	.6	.43	.02	632	.86
MAY 16...	0	203	230	26	.6	.77	.05	595	.81
JUNE 13...	0	162	240	26	.5	.43	.02	--	--
JULY 18...	0	197	210	27	.5	.11	.04	575	.78
AUG. 22...	0	190	190	23	.6	.28	.02	521	.71
SEP. 19...	0	175	180	21	.5	.29	.04	478	.65

06767998 PLATTE RIVER NEAR OVERTON, NEBR. (NORTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
16...	7500	270	69	2.0	847	8.2	14.0	10	160
NOV.									
15...	4610	270	66	1.9	835	8.4	6.0	5	100
DEC.									
21...	3430	310	100	1.9	945	8.3	1.0	9	120
JAN.									
17...	3180	300	92	2.0	963	8.0	--	10	130
FEB.									
14...	5450	380	170	2.2	1140	8.2	4.0	20	190
MAR.									
21...	11300	290	87	2.1	902	8.2	4.0	20	140
APR.									
17...	9450	270	73	2.1	840	8.2	9.0	7	140
MAY									
16...	1920	280	73	1.9	877	8.2	14.0	3	140
JUNE									
13...	1410	250	65	1.8	791	8.1	20.0	7	120
JULY									
18...	202	270	73	2.2	868	8.0	25.0	5	150
AUG.									
22...	391	260	72	2.1	818	8.1	24.0	5	120
SEP.									
19...	438	250	61	2.1	810	--	19.0	7	140

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	829	788	791	904	951	853	827	818	899	911	795	816
2	825	777	775	911	954	891	816	818	889	853	779	810
3	841	790	774	950	956	891	800	810	891	864	782	816
4	831	792	782	925	951	891	790	804	887	866	708	816
5	839	790	782	952	961	902	792	801	755	855	712	820
6	819	790	786	954	956	926	797	797	730	858	716	818
7	827	786	779	954	978	926	796	805	743	858	746	822
8	815	784	752	954	1040	924	801	821	747	858	770	814
9	808	794	759	975	977	919	796	822	745	868	761	814
10	800	792	760	952	895	891	796	823	757	870	768	812
11	782	798	764	949	863	893	780	800	757	855	763	806
12	785	775	762	930	848	902	807	840	743	849	765	796
13	782	775	765	913	836	891	798	848	762	864	790	805
14	806	772	778	913	876	888	825	861	805	855	805	809
15	808	782	757	893	904	880	823	903	833	858	820	809
16	815	773	767	878	906	880	828	879	855	866	824	812
17	821	819	765	882	920	878	823	908	857	861	818	808
18	821	773	754	865	905	880	822	868	859	855	807	808
19	827	760	871	867	908	882	814	893	862	846	807	811
20	827	745	876	834	909	882	822	893	864	830	805	805
21	858	759	850	836	879	888	833	893	875	837	818	796
22	856	770	840	856	882	884	842	879	870	837	786	800
23	856	756	777	886	862	875	842	886	870	837	790	800
24	854	757	796	920	879	931	856	918	870	810	820	800
25	847	763	825	918	879	928	865	918	877	816	818	800
26	851	772	775	1030	928	858	872	918	873	815	818	794
27	856	770	794	1030	881	854	865	900	873	806	799	794
28	860	782	798	955	858	858	846	894	868	803	790	798
29	862	790	775	947	---	852	846	900	841	784	793	808
30	847	790	798	950	---	846	843	908	839	784	797	797
31	837	---	802	955	---	844	---	902	---	783	795	---
MONTH	829	779	788	924	912	887	822	862	830	842	786	807

PLATTE RIVER BASIN

06767990 PLATTE RIVER NEAR OVERTON, NEBR. (SOUTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 16...	2410	330	130	2.2	999	8.4	14.0	20	200
NOV. 15...	1990	370	160	2.2	1110	8.5	7.0	5	140
DEC. 21...	1460	370	160	2.1	1060	8.3	1.0	10	140
JAN. 17...	3030	340	130	2.1	1020	8.2	--	10	140
17...	--	--	--	--	--	--	--	--	--
FEB. 14...	1820	410	190	2.1	1190	8.2	4.0	10	170
MAR. 21...	3460	380	170	2.2	1120	8.4	4.0	10	170
APR. 17...	2830	290	110	2.4	977	8.3	9.0	5	160
MAY 16...	666	290	85	2.0	894	8.2	15.0	5	150
JUNE 13...	871	260	97	2.2	872	7.9	20.0	3	140
JULY 18...	124	260	79	2.1	870	8.0	27.0	5	140
AUG. 22...	106	220	34	2.3	820	8.2	24.0	4	130
SEP. 19...	237	230	56	2.2	767	--	20.0	7	140

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	887	994	1000	997	1120	1090	881	951	904	844	808	830
2	904	922	984	997	1120	1080	1030	951	899	864	804	811
3	899	960	1010	1010	1120	1060	1050	1010	899	875	800	811
4	930	965	1010	1020	1120	1050	1030	925	901	877	737	810
5	935	956	1000	1000	1140	1060	1000	912	755	869	733	816
6	942	960	1010	1030	1140	997	1010	912	719	864	726	810
7	953	957	1020	1030	1140	1020	1000	915	800	866	768	818
8	945	997	1000	997	1140	1000	988	928	802	866	764	809
9	953	991	1010	1010	1140	1000	955	903	724	883	780	806
10	956	994	1010	994	1030	980	986	837	802	884	791	810
11	942	1030	1020	1020	1030	978	924	821	854	858	784	794
12	956	943	1000	1010	1030	1100	950	869	854	855	784	777
13	964	1020	1020	996	1060	1020	937	869	820	878	808	807
14	966	982	967	980	1090	1100	968	885	848	864	820	807
15	969	1040	992	962	1100	1010	960	877	861	862	834	817
16	1010	1020	1000	932	1150	1060	952	880	868	873	836	819
17	1010	1070	997	932	1140	1020	953	968	868	869	834	806
18	1010	1060	1010	923	1090	1010	939	876	884	863	816	805
19	1010	1040	1000	921	1090	1080	960	914	865	849	814	813
20	1010	1040	989	893	1100	1010	949	912	875	842	812	805
21	1030	1030	1000	893	1120	1070	957	902	877	834	828	801
22	1030	1000	1020	989	1070	989	957	887	884	836	797	796
23	1030	1020	1000	952	1090	1020	991	902	884	834	797	798
24	1010	1020	945	1030	1090	868	1000	943	882	812	818	802
25	1040	1000	910	1020	1090	871	988	897	891	835	816	798
26	1040	1020	1000	950	1090	986	997	897	889	815	793	800
27	1020	1010	938	940	1070	916	960	919	882	804	812	797
28	1040	1010	981	1090	1070	1010	994	919	875	810	795	804
29	1030	982	908	1100	---	933	957	912	850	795	804	806
30	969	997	936	1090	---	1000	997	912	850	799	812	797
31	950	---	940	1090	---	1000	---	912	---	797	799	---
MONTH	979	1000	988	993	1100	1010	974	907	852	848	798	806

06767908 PLATTE RIVER NEAR OVERTON, NEBR. (NORTH CHANNEL)

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.5	10.0	4.5	0.0	2.0	4.5	11.0	15.5	21.0	24.5	23.5	18.0
2	15.5	8.0	4.5	0.0	1.0	5.5	10.0	16.5	26.5	23.5	22.0	15.5
3	15.5	3.5	3.5	0.0	1.5	4.5	6.5	15.5	25.5	24.5	20.0	14.5
4	14.5	4.5	2.0	0.0	2.0	5.5	4.5	14.5	26.5	25.5	23.5	16.5
5	14.0	4.5	1.0	0.0	0.0	5.5	6.5	14.5	24.5	23.5	19.0	15.5
6	14.5	3.5	0.0	0.0	1.0	5.5	8.0	15.0	24.5	23.5	21.0	16.5
7	16.5	5.5	0.0	0.0	0.0	5.5	6.5	20.0	22.0	22.[illegible]	21.0	20.0
8	15.5	4.5	1.0	0.0	0.0	5.5	8.0	19.0	22.0	24.5	22.0	19.0
9	16.5	4.5	0.0	0.0	0.0	6.5	9.0	18.0	15.5	24.5	21.0	20.0
10	15.5	4.5	0.0	0.0	0.0	3.5	8.0	18.0	16.5	24.5	22.0	20.0
11	13.5	8.0	2.0	0.0	1.0	4.5	6.5	15.5	19.0	25.5	21.0	18.0
12	10.0	6.5	3.5	0.0	3.5	4.5	8.0	15.5	19.0	25.5	23.5	14.5
13	14.5	9.0	2.0	0.0	3.5	4.5	9.0	18.0	21.0	25.5	23.5	14.5
14	13.5	9.0	1.0	0.0	3.5	4.5	8.0	14.5	22.0	25.5	23.5	15.5
15	14.5	8.0	1.0	0.0	2.0	5.5	9.0	14.5	21.0	23.5	21.0	20.0
16	13.5	6.5	1.0	0.0	3.5	5.5	10.0	15.5	22.0	22.0	23.5	19.0
17	11.0	8.0	0.0	0.0	3.5	6.5	9.0	15.5	20.0	24.5	21.0	20.0
18	13.5	8.0	0.0	0.0	1.0	8.0	9.0	15.5	23.5	24.5	22.0	24.5
19	14.5	5.5	0.0	0.0	3.5	6.0	12.0	16.5	24.5	25.5	24.5	20.0
20	13.5	2.0	0.0	0.0	4.5	4.5	14.5	18.0	26.5	26.5	25.5	16.5
21	15.5	1.0	0.0	1.0	2.0	4.5	12.0	16.5	25.5	25.5	20.0	15.5
22	14.5	1.0	1.0	0.0	1.0	4.5	13.5	18.0	22.0	24.5	22.0	15.5
23	13.5	1.0	0.0	0.0	1.0	2.0	13.5	18.0	23.5	23.5	23.5	15.5
24	12.0	2.0	0.5	0.0	0.0	4.5	12.0	20.0	25.5	24.5	21.0	15.5
25	11.0	1.0	1.0	0.0	0.0	4.5	15.5	20.0	21.0	25.5	22.0	15.5
26	12.0	3.5	0.0	0.0	2.0	5.5	16.5	19.0	21.0	25.5	23.5	18.0
27	10.0	4.5	0.0	1.0	3.5	9.0	18.0	20.5	22.0	25.5	20.0	16.5
28	10.0	2.0	0.0	2.0	4.5	9.0	14.5	20.0	22.0	24.5	20.0	14.5
29	9.0	4.5	0.0	2.0	---	10.0	14.5	22.0	25.5	24.5	19.0	13.5
30	10.0	4.5	0.0	2.0	---	10.0	15.5	22.0	23.5	22.0	19.0	14.5
31	10.0	---	0.0	2.0	---	10.0	---	23.5	---	23.5	16.5	---
MONTH	13.5	5.0	1.0	0.5	2.0	6.0	10.5	17.5	22.5	24.5	21.5	17.0

06767999 PLATTE RIVER NEAR OVERTON, NEBR. (SOUTH CHANNEL)

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.0	14.0	10.5	8.5	3.5	3.0	3.0	2.0	5.5	5.0	5.5	3.5
2	15.5	13.5	10.0	9.5	3.5	3.0	3.0	2.0	5.5	5.0	6.0	4.5
3	14.5	13.0	9.5	9.0	3.0	2.0	3.0	1.5	5.5	3.0	6.5	5.0
4	15.5	12.0	9.5	8.5	3.0	1.5	1.5	0.5	4.5	3.0	6.5	5.5
5	15.0	13.0	8.5	6.5	2.0	0.5	0.5	0.0	3.5	3.0	6.0	5.0
6	15.5	13.5	7.0	6.0	1.5	0.0	0.0	0.0	3.0	2.0	7.0	5.0
7	16.0	13.5	6.5	5.5	2.0	0.5	0.5	0.0	4.0	2.0	6.0	5.5
8	16.5	14.0	6.0	5.0	2.0	1.0	0.5	0.0	5.5	4.0	7.0	5.5
9	18.0	14.0	7.0	5.5	1.5	0.5	0.5	0.0	5.0	4.0	6.5	6.0
10	14.0	12.0	8.0	7.0	0.5	0.0	0.5	0.0	5.5	4.0	6.5	6.5
11	12.0	10.5	8.0	7.0	4.0	0.5	1.0	0.5	5.5	4.0	6.5	6.0
12	13.0	10.5	8.5	7.0	4.5	3.5	1.0	0.5	5.5	3.5	6.5	6.0
13	14.0	13.0	8.0	6.5	5.5	4.5	1.0	0.5	5.0	3.5	6.5	6.0
14	14.0	13.5	8.0	5.5	6.0	5.5	1.0	0.0	4.5	4.0	6.0	5.5
15	14.5	13.5	6.5	5.5	6.0	6.0	1.5	0.0	5.5	4.0	6.0	5.5
16	14.5	14.0	6.0	5.0	6.5	6.0	2.0	0.5	5.5	4.0	6.0	5.0
17	14.0	13.0	6.5	4.5	6.0	4.0	2.0	1.0	5.5	4.5	6.5	5.0
18	14.5	11.5	6.5	5.0	4.0	0.5	3.0	1.5	5.5	5.0	6.5	6.0
19	15.5	13.5	6.5	5.0	0.5	0.0	3.0	1.0	5.5	4.5	6.5	5.5
20	14.5	12.5	8.0	6.5	1.0	0.0	3.5	1.5	5.0	4.5	5.5	4.0
21	16.5	14.0	9.5	8.0	1.5	0.5	3.0	1.5	4.0	2.0	5.0	3.0
22	15.5	14.5	11.0	9.5	2.0	1.0	3.5	1.5	3.5	1.0	4.5	3.5
23	14.5	13.5	11.0	11.0	1.5	0.0	3.5	1.0	2.0	1.0	4.5	2.0
24	13.0	12.0	11.0	7.0	1.0	0.0	3.5	1.5	1.0	0.5	4.0	1.5
25	13.5	11.5	7.0	5.5	2.0	0.5	4.0	1.5	4.0	1.5	5.5	2.0
26	12.0	10.5	5.5	4.5	1.5	0.5	4.0	2.0	4.5	2.0	6.0	4.5
27	11.5	10.0	5.0	3.0	1.0	0.0	4.0	3.0	4.5	3.5	6.0	5.5
28	11.0	9.5	4.0	2.0	0.5	0.0	4.0	2.0	5.0	3.5	6.0	4.5
29	10.5	9.0	4.0	2.0	1.0	0.0	4.5	3.0	---	---	6.5	5.5
30	11.0	9.0	4.0	3.0	1.5	0.0	5.0	0.5	---	---	7.0	5.5
31	10.5	8.5	---	---	2.0	2.0	5.5	4.5	---	---	9.0	6.5
MONTH	18.0	8.5	11.0	2.0	6.5	0.0	5.5	0.0	5.5	0.5	9.0	1.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	9.5	8.5	20.5	16.5	23.0	18.5	27.0	20.5	25.5	23.0	17.0	16.0
2	10.0	8.0	21.0	17.0	23.5	18.5	27.0	21.0	24.5	21.0	18.0	15.0
3	8.5	4.5	19.5	16.5	24.0	18.5	27.0	21.0	23.5	20.0	19.0	14.5
4	6.5	3.5	17.0	15.5	23.5	19.0	26.5	20.0	24.5	19.5	19.0	15.0
5	8.0	5.0	16.0	14.5	24.5	19.0	27.0	21.0	23.0	19.5	19.0	15.0
6	9.5	6.0	15.5	14.0	21.5	18.5	28.0	21.0	24.0	20.0	19.5	16.0
7	9.0	7.0	16.5	14.5	21.5	18.0	28.0	21.5	24.0	20.5	20.0	16.5
8	9.5	6.5	18.5	15.5	19.0	15.5	26.5	21.5	25.0	20.5	20.5	17.0
9	9.5	7.0	19.5	16.0	18.0	15.0	29.5	22.0	24.0	21.0	21.0	18.0
10	9.5	8.0	19.0	16.5	21.0	15.5	31.0	23.5	24.5	21.5	24.0	17.0
11	9.0	8.5	18.0	15.0	19.5	17.0	30.5	25.0	24.5	20.5	21.5	18.0
12	8.5	8.0	18.0	14.5	20.0	17.0	30.0	24.0	25.5	21.5	18.5	16.5
13	8.5	8.0	18.0	15.0	21.0	18.0	31.0	24.0	25.5	21.5	19.5	15.5
14	8.0	7.0	16.0	13.5	22.0	19.0	30.5	25.0	25.5	21.0	20.0	16.0
15	9.0	7.0	16.0	13.0	22.0	19.5	29.0	24.5	24.0	22.0	21.0	17.0
16	10.5	8.0	17.0	14.5	23.0	19.0	29.5	23.0	26.0	21.5	22.0	18.0
17	11.0	8.5	15.5	14.5	23.0	19.5	31.0	24.0	24.5	22.0	23.0	19.0
18	14.0	9.5	18.5	15.0	26.5	19.5	31.5	24.5	25.0	20.0	22.0	18.5
19	14.5	11.0	21.0	15.5	29.0	22.0	31.5	25.5	26.0	21.5	21.0	19.0
20	14.5	12.0	19.0	16.5	29.0	23.5	32.0	26.0	26.5	21.0	19.5	18.0
21	14.5	11.5	20.0	15.5	28.5	23.0	33.5	26.5	26.0	23.5	20.0	16.0
22	14.0	11.0	20.5	16.5	26.5	21.0	31.5	26.5	26.0	23.0	20.0	16.0
23	14.5	11.0	20.5	16.0	27.0	20.5	30.5	26.0	26.0	22.0	20.0	16.0
24	14.0	11.5	20.5	16.5	27.0	20.0	30.0	25.0	26.0	22.0	20.0	16.0
25	13.5	11.5	20.5	17.0	26.0	19.5	30.5	24.5	26.5	23.0	20.0	16.0
26	14.0	11.5	20.5	16.5	26.0	19.5	31.0	26.0	28.0	23.5	20.5	16.5
27	14.5	13.0	23.5	18.0	25.5	19.0	31.0	26.0	24.5	18.5	18.5	16.0
28	15.0	13.5	24.5	19.5	26.0	19.5	31.0	26.0	21.5	17.0	18.0	15.0
29	17.0	15.0	22.0	19.5	28.5	21.5	30.0	25.0	19.0	17.0	19.0	15.0
30	19.0	15.5	23.5	19.5	24.0	21.0	28.5	24.0	21.0	16.0	17.0	15.0
31	---	---	22.0	18.0	---	---	26.5	23.5	19.0	17.0	---	---
MONTH	19.0	3.5	24.5	13.0	29.0	15.0	33.5	20.0	28.0	16.0	24.0	14.5

06768015 SPRING CREEK BELOW LEXINGTON, NEBR.

LOCATION.--Lat 40°45'13" (revised), long 99°40'22", in NW¼SW¼NW¼ sec.13, T.9 N., R.21 W., Dawson County, at bridge on county road 0.5 mi (0.8 km) south of U.S. Highway 30, 0.1 mi (0.2 km) downstream from Dawson County Drain No. 1, and 3.2 mi (5.6 km) southeast of Lexington.

PERIOD OF RECORD.--Chemical analyses: June 1973 to September 1974.

REMARKS.--Miscellaneous samples of chemical data published for water year 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT. 16...	1100	8.2	44	250	50	130	37	120	31	443
NOV. 07...	1415	7.6	--	--	--	--	--	--	--	--
JAN. 22...	1400	14	41	100	170	130	34	240	22	414
FEB. 20...	1345	12	--	--	--	--	--	--	--	--
MAR. 20...	1415	16	--	--	--	--	--	--	--	--
APR. 16...	1350	15	37	150	100	130	38	150	33	454
MAY 30...	1320	15	--	--	--	--	--	--	--	--
JUNE 25...	1400	23	--	--	--	--	--	--	--	--
JULY 23...	1400	36	29	90	0	69	20	81	12	262
AUG. 21...	1230	24	--	--	--	--	--	--	--	--
SEP. 17...	1345	23	--	--	--	--	--	--	--	--

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT. 16...	0	363	290	61	.8	--	1.6	.43	1.4	1.8
NOV. 07...	--	--	--	62	--	--	1.9	.73	.87	1.6
JAN. 22...	0	340	510	100	.8	2.6	2.6	4.0	1.6	5.6
FEB. 20...	--	--	--	67	--	2.3	1.6	1.1	.90	2.0
MAR. 20...	--	--	--	60	--	3.7	2.4	.73	1.5	2.2
APR. 16...	0	372	400	57	.8	4.0	2.1	1.0	.90	1.9
MAY 30...	--	--	--	62	--	4.6	3.8	.65	1.4	2.0
JUNE 25...	--	--	--	40	--	2.6	2.4	.21	1.6	1.8
JULY 23...	--	215	200	25	.5	.82	.68	.07	1.6	1.7
AUG. 21...	--	--	--	27	--	1.6	1.1	.10	1.9	2.0
SEP. 17...	--	--	--	25	--	1.0	.66	.16	.94	1.1

06768015 SPRING CREEK BELOW LEXINGTON, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT. 16...	--	1.1	1.2	--	940	1.28	20.8	480	110	2.4
NOV. 07...	--	1.2	1.0	937	--	1.27	19.2	--	--	--
JAN. 22...	8.2	2.4	2.2	--	1290	1.75	48.8	460	130	4.8
FEB. 20...	4.3	1.1	.60	901	--	1.23	29.2	--	--	--
MAR. 20...	5.9	1.7	1.0	1090	--	1.48	47.1	--	--	--
APR. 16...	5.9	1.6	.77	--	1080	1.47	43.7	480	110	3.0
MAY 30...	6.6	1.4	1.2	1150	--	1.56	46.6	--	--	--
JUNE 25...	4.4	1.0	--	826	--	1.12	51.3	--	--	--
JULY 23...	2.5	.56	.24	--	569	.77	55.3	250	40	2.2
AUG. 21...	3.6	.79	.31	652	--	.89	42.2	--	--	--
SEP. 17...	2.1	.74	.09	547	--	.74	34.4	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)
OCT. 16...	1300	8.2	11.0	20	20	11.1	3.4	3750	3200	--
NOV. 07...	1450	8.1	5.5	--	17	13.3	4.6	1050	6800	--
JAN. 22...	1800	7.7	4.0	40	8	6.8	9.0	13000	19000	5
FEB. 20...	1250	8.1	6.0	--	7	11.3	3.5	600	450	--
MAR. 20...	1500	8.2	2.0	--	15	10.2	5.9	500	4520	--
APR. 16...	1800	8.0	14.0	20	7	9.8	22	--	--	--
MAY 30...	1500	8.3	24.0	--	20	8.1	10	2200	12400	--
JUNE 25...	1200	8.0	23.0	--	40	7.1	13	3300	3000	--
JULY 23...	859	7.7	26.0	20	90	5.5	5.8	5000	7250	10
AUG. 21...	940	7.6	23.0	--	70	7.0	5.0	16000	7200	--
SEP. 17...	834	8.0	18.0	--	45	8.3	4.1	600	1100	--

DATE	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 16...	230	--	--	--	--	--	--	--	--	--
NOV. 07...	--	--	--	--	--	--	--	--	--	--
JAN. 22...	300	0	0	18	22	--	--	9	0	40
FEB. 20...	--	--	--	--	--	--	--	--	--	--
MAR. 20...	--	--	--	--	--	3.1	2.5	--	--	--
APR. 16...	200	--	--	--	--	--	--	--	--	--
MAY 30...	--	--	--	--	--	--	--	--	--	--
JUNE 25...	--	--	--	--	--	--	--	--	--	--
JULY 23...	160	1	0	7	5	1.4	1.4	1	0	20
AUG. 21...	--	--	--	--	--	--	--	--	--	--
SEP. 17...	--	--	--	--	--	--	--	--	--	--

06770205 PLATTE RIVER (NORTH CHANNEL) NEAR KEARNEY, NEBR.

LOCATION.--Lat 40°40'30", long 99°00'24", in SW¼NW¼SW¼ sec.10, T.8 N., R.15 W., Buffalo County, on county road 0.2 mi (0.3 km) north of Interstate Highway I-80 (no access) and about 4.5 mi (7.2 km) southeast of Kearney.

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DISCHARGE (CFS) (00060)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
OCT. 11...	1400	321	25	330	42	68	19	73	9.4	230
NOV. 07...	1230	112	--	--	--	--	--	--	--	--
JAN. 22...	1130	46	29	70	310	100	29	100	14	307
FEB. 20...	1130	14	--	--	--	--	--	--	--	--
MAR. 20...	1145	21	--	--	--	--	--	--	--	--
APR. 16...	0945	219	21	90	30	75	23	81	9.7	247
MAY 30...	0940	53	--	--	--	--	--	--	--	--
JUNE 25...	1115	30	--	--	--	--	--	--	--	--
JULY 23...	1100	115	25	80	0	56	21	83	10	206
AUG. 21...	0940	92	--	--	--	--	--	--	--	--
SEP. 17...	1000	137	--	--	--	--	--	--	--	--

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)
OCT. 11...	0	189	180	24	.2	--	.36	.28	.18	.46
NOV. 07...	--	--	--	34	--	--	.88	.40	.70	1.1
JAN. 22...	0	252	270	42	.7	1.4	1.4	1.0	.70	1.7
FEB. 20...	--	--	--	47	--	1.1	1.2	.71	.79	1.5
MAR. 20...	--	--	--	48	--	2.2	1.2	.95	.75	1.7
APR. 16...	0	203	210	25	.6	.24	.21	.24	.55	.79
MAY 30...	--	--	--	36	--	.93	.88	.25	.95	1.2
JUNE 25...	--	--	--	43	--	1.4	1.2	.17	1.4	1.6
JULY 23...	--	169	210	28	.5	.38	.07	.08	1.3	1.4
AUG. 21...	--	--	--	30	--	.28	.23	.07	1.6	1.7
SEP. 17...	--	--	--	27	--	.29	.27	.12	1.3	1.4

06770205 PLATTE RIVER (NORTH CHANNEL) NEAR KEARNEY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DIS-SOLVED-PHOSPHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT. 11...	--	.39	.22	--	514	.70	445	250	59	2.0
NOV. 07...	--	.50	.47	632	--	.86	191	--	--	--
JAN. 22...	3.1	.65	.12	--	743	1.01	92.3	370	120	2.3
FEB. 20...	2.6	.62	.98	718	--	.98	28.1	--	--	--
MAR. 20...	3.9	.91	.86	731	--	.99	41.4	--	--	--
APR. 16...	1.0	.24	.17	--	568	.77	336	280	79	2.1
MAY 30...	2.1	.58	.50	641	--	.87	91.7	--	--	--
JUNE 25...	3.0	.93	--	639	--	.87	51.8	--	--	--
JULY 23...	1.8	.39	.21	--	536	.73	166	230	57	2.4
AUG. 21...	2.0	.33	.26	575	--	.78	143	--	--	--
SEP. 17...	1.7	.41	.30	531	--	.72	196	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)
OCT. 11...	820	7.6	12.0	20	60	9.4	10	30000	39000	--
NOV. 07...	970	7.9	6.0	--	7	13.1	4.1	19000	2100	--
JAN. 22...	1200	7.7	2.0	20	7	10.2	6.7	25000	3600	2
FEB. 20...	1100	7.9	7.0	--	5	11.7	6.9	5870	1050	--
MAR. 20...	1000	8.0	3.0	--	5	11.3	3.6	34000	2670	--
APR. 16...	825	8.1	8.0	7	15	10.1	5.2	2800	350	--
MAY 30...	900	8.2	18.0	--	25	7.2	8.3	1400	850	--
JUNE 25...	900	8.3	20.0	--	20	8.5	12	550	550	--
JULY 23...	847	7.8	25.0	7	35	7.7	7.0	500	800	6
AUG. 21...	870	8.1	22.0	--	25	7.2	5.8	450	600	--
SEP. 17...	830	8.1	17.0	--	35	8.7	5.8	12000	1100	--

DATE	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CADMIUM (CD) (UG/L) (01025)	DIS-SOLVED CHROMIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELENIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 11...	150	--	--	--	--	--	--	--	--	--
NOV. 07...	--	--	--	--	--	--	--	--	--	--
JAN. 22...	130	0	0	16	9	--	--	2	0	50
FEB. 20...	--	--	--	--	--	--	--	--	--	--
MAR. 20...	--	--	--	--	--	2.4	1.9	--	--	--
APR. 16...	130	--	--	--	--	--	--	--	--	--
MAY 30...	--	--	--	--	--	--	--	--	--	--
JUNE 25...	--	--	--	--	--	--	--	--	--	--
JULY 23...	160	0	0	4	3	1.0	2.1	1	0	20
AUG. 21...	--	--	--	--	--	--	--	--	--	--
SEP. 17...	--	--	--	--	--	--	--	--	--	--

06770500 PLATTE RIVER NEAR GRAND ISLAND, NEBR.

LOCATION.--Lat 40°52'28", long 98°16'54", in SW¼SW¼ sec.31, T.11 N., R.8 W., Merrick County, at gaging station at bridge on U.S. Highway 34, 2 mi (3.2 km) upstream from Burlington Northern Inc. bridge and 5 mi (8.0 km) southeast of Grand Island.

DRAINAGE AREA.--62,800 mi^2 (163,000 km^2), approximately, of which about 54,000 mi^2 (140,000 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1972 to September 1974.
Water temperatures: July 1972 to September 1974.

EXTREMES.--1973-74:
Specific conductance: Maximum daily, 1,030 micromhos Mar. 4; minimum daily, 705 micromhos June 12.
Water temperatures: Maximum, 21.0°C July 18; minimum, freezing point on several days November to February.
Period of record:
Specific conductance: Maximum daily, 1,040 micromhos April 12, 1973; minimum daily, 659 micromhos Sept. 3, 1973.
Water temperatures: Maximum, 34.5°C July 23, 1972; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT.											
15...	1525	6820	26	--	50	8	73	22	80	9.1	249
NOV.											
07...	1140	3750	--	--	--	--	--	--	--	--	--
DEC.											
03...	1130	4530	--	--	--	--	--	--	--	--	--
JAN.											
09...	1250	3380	30	10	40	40	95	27	90	11	280
FEB.											
20...	1005	4230	--	--	--	--	--	--	--	--	--
MAR.											
06...	1045	4660	25	--	40	20	88	25	86	10	258
APR.											
04...	1040	6980	17	--	30	0	71	22	80	9.4	225
MAY											
16...	0930	1700	15	--	20	0	76	26	86	11	232
JUNE											
12...	0950	1850	15	--	70	0	55	17	56	17	182
JULY											
11...	1100	25	--	--	--	--	--	--	--	--	--
AUG.											
06...	1050	210	24	--	20	0	67	23	85	14	224
SEP.											
18...	1000	481	18	--	20	0	58	21	90	12	222

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)
OCT.											
15...	0	204	200	24	.5	--	.26	.04	.64	.68	--
NOV.											
07...	--	--	--	28	--	--	.76	.04	.85	.89	--
DEC.											
03...	--	--	--	27	--	--	.91	.05	.40	.45	--
JAN.											
09...	0	230	260	30	.6	1.1	.90	.01	.40	.41	1.5
FEB.											
20...	--	--	--	32	--	1.3	1.3	.12	.48	.60	1.9
MAR.											
06...	0	212	270	30	.7	.93	.94	.12	.64	.76	1.7
APR.											
04...	0	185	220	24	.8	.15	.09	.12	.49	.61	.76
MAY											
16...	--	190	270	30	.6	.21	.18	.13	1.1	1.2	1.4
JUNE											
12...	--	149	160	22	.5	.59	.58	.36	1.8	2.2	2.8
JULY											
11...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
06...	0	184	220	30	.5	.01	.01	.06	1.2	1.3	1.3
SEP.											
18...	--	182	200	28	.6	.19	.18	.03	1.4	1.4	1.6

06770500 PLATTE RIVER NEAR GRAND ISLAND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT. 15...	.16	.06	--	559	.76	10300	270	69	2.1	879
NOV. 07...	.12	.11	648	--	.88	6560	--	--	--	954
DEC. 03...	.11	.03	638	--	.87	7800	--	--	--	938
JAN. 09...	.07	.06	--	686	.93	6260	350	120	2.1	1040
FEB. 20...	.23	.15	698	--	.95	7970	--	--	--	1020
MAR. 06...	.18	.10	--	666	.91	8380	320	110	2.1	966
APR. 04...	.09	.00	--	556	.76	10500	270	83	2.1	851
MAY 16...	.16	.05	--	630	.86	2890	300	110	2.2	949
JUNE 12...	.62	.26	--	435	.59	2170	210	58	1.7	688
JULY 11...	--	--	--	--	--	--	--	--	--	--
AUG. 06...	.18	.03	--	574	.78	325	260	78	2.3	891
SEP. 18...	3.5	.24	--	538	.73	699	230	49	2.6	850

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 15...	8.3	17.5	20	20	9.3	5.4	150	60	--	180
NOV. 07...	8.1	5.5	--	15	10.9	2.1	83	60	--	--
DEC. 03...	7.5	1.5	--	15	11.8	1.5	80	100	--	--
JAN. 09...	7.5	.0	20	5	--	3.8	120	28	3	120
FEB. 20...	8.1	[illegible]	--	20	10.6	--	20	70	--	--
MAR. 06...	8.3	10.0	20	25	10.7	24	--	--	--	150
APR. 04...	7.7	2.5	7	20	12.3	2.8	150	760	--	120
MAY 16...	8.2	16.5	6	30	8.9	9.0	57	108	--	150
JUNE 12...	8.1	18.5	30	140	8.0	--	1100	1000	--	120
JULY 11...	8.3	27.0	--	10	7.7	6.8	900	40	--	--
AUG. 06...	--	17.5	3	15	9.1	5.6	216	88	--	160
SEP. 18...	8.3	19.0	7	35	9.0	3.4	2060	100	--	150

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 15...	--	--	--	--	--	--	--	--	--	--
NOV. 07...	--	--	--	--	--	--	--	--	--	--
DEC. 03...	--	--	--	--	--	--	--	--	--	--
JAN. 09...	0	0	6	2	.3	.2	5	0	3.0	80
FEB. 20...	--	--	--	--	--	--	--	--	--	--
MAR. 06...	--	--	--	--	--	--	--	--	--	--
APR. 04...	--	--	--	--	--	--	--	--	--	--
MAY 16...	--	--	--	--	--	--	--	--	--	--
JUNE 12...	--	--	--	--	--	--	--	--	--	--
JULY 11...	--	--	--	--	--	--	--	--	--	--
AUG. 06...	--	--	--	--	--	--	--	--	--	--
SEP. 18...	--	--	--	--	--	--	--	--	--	--

06770500 PLATTE RIVER NEAR GRAND ISLAND, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	887	897	833	965	1020	1010	880	911	929	912	869	891
2	921	897	822	970	1020	1010	936	913	937	924	867	906
3	911	904	820	984	1020	1010	867	918	934	929	874	916
4	911	902	823	981	1020	1030	844	898	940	917	872	913
5	926	909	816	968	1020	1010	833	900	943	912	879	915
6	939	902	769	965	1020	1010	853	893	914	932	868	879
7	952	924	839	971	1010	964	858	893	896	935	866	873
8	955	912	843	968	1000	975	855	893	921	949	855	876
9	931	909	843	966	1010	972	851	865	796	943	838	858
10	882	921	833	971	1000	980	856	903	716	927	829	836
11	911	912	831	968	1000	967	838	879	745	941	840	831
12	901	897	849	873	1000	951	851	879	705	938	851	814
13	913	897	855	968	1000	951	847	929	780	938	855	828
14	918	907	859	970	1000	956	852	931	761	938	828	839
15	913	902	845	968	1000	943	858	945	814	944	827	834
16	916	899	810	970	1000	938	873	948	852	925	833	836
17	918	909	857	970	1000	930	870	953	863	933	865	840
18	923	914	874	916	1000	930	872	937	865	---	780	834
19	939	916	892	874	1000	930	866	937	863	---	870	841
20	936	885	904	867	1000	922	846	931	854	---	885	846
21	906	860	909	872	1010	922	861	926	854	---	890	842
22	903	825	909	874	1010	930	879	926	876	---	890	844
23	941	892	900	914	1010	903	882	937	888	---	888	844
24	974	902	843	912	1010	910	886	942	899	---	889	846
25	980	907	851	918	1010	918	896	936	901	---	895	838
26	947	897	857	921	1010	899	900	869	901	---	897	836
27	952	899	847	1010	1010	894	895	934	914	---	909	831
28	980	902	847	1010	1010	899	910	934	924	---	892	842
29	974	897	884	1010	---	896	910	926	919	---	899	834
30	962	902	898	1010	---	896	910	920	921	---	897	834
31	944	---	900	1010	---	894	---	923	---	---	904	---
MONTH	931	900	854	952	1010	947	871	917	867	---	868	853

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.0	3.5	2.5	1.5	1.5	1.5	4.5	15.0	18.5	19.5	18.0	14.5
2	17.5	3.0	2.5	1.5	1.5	1.5	4.5	15.0	16.0	19.5	18.0	14.5
3	16.5	3.5	2.0	1.0	2.0	1.0	4.5	15.5	17.0	19.0	18.5	16.0
4	16.0	3.5	0.5	0.5	1.5	1.5	3.5	15.5	17.0	18.5	18.0	15.5
5	16.0	2.0	0.5	0.5	1.0	1.0	3.0	15.5	18.0	18.5	18.0	15.5
6	16.5	2.0	1.0	0.0	1.5	1.0	4.5	15.5	18.0	18.5	17.5	13.0
7	15.0	3.5	1.0	1.5	1.5	1.5	5.5	16.0	17.5	19.0	18.0	14.0
8	15.0	3.0	0.0	1.0	1.0	1.5	5.5	15.5	17.0	19.0	18.0	14.0
9	15.0	2.0	0.5	1.0	0.0	1.0	6.5	16.0	18.0	19.0	18.5	13.5
10	14.0	2.0	0.5	1.0	1.5	1.0	5.5	16.0	18.0	18.5	18.0	13.5
11	14.0	2.5	2.0	0.0	1.5	1.5	6.0	16.5	17.5	19.0	18.0	14.0
12	13.5	5.0	1.5	0.0	1.0	1.5	7.5	16.5	18.0	19.0	19.0	14.0
13	12.0	3.0	1.0	0.5	0.5	1.5	7.5	17.0	18.5	19.5	19.0	13.5
14	12.0	3.5	1.0	0.5	0.0	2.0	7.5	16.5	19.0	19.5	18.5	14.0
15	12.0	2.5	0.5	0.0	0.5	2.0	8.0	17.5	20.0	20.0	18.5	13.0
16	12.5	3.5	0.0	0.0	0.0	2.5	8.5	17.5	20.0	19.5	18.5	13.0
17	12.0	5.0	1.0	0.0	1.0	1.5	9.5	17.5	19.5	19.5	18.5	12.0
18	11.5	5.0	1.0	1.0	1.0	1.0	9.5	17.5	19.0	21.0	18.5	12.0
19	11.5	4.5	0.5	0.5	1.5	1.0	10.5	18.0	19.0	20.5	18.0	13.0
20	12.0	3.5	0.0	1.0	1.5	1.5	10.5	18.0	19.5	20.0	18.5	12.5
21	13.0	2.5	0.5	1.5	0.0	1.0	11.5	17.5	19.5	20.0	18.5	9.0
22	12.5	2.0	0.5	1.5	0.5	2.0	12.0	18.0	19.5	18.5	18.0	11.0
23	13.0	1.5	0.0	1.5	1.5	2.5	12.0	18.0	19.5	19.0	18.0	10.0
24	13.0	0.0	0.5	1.0	1.5	2.5	13.5	18.0	19.5	19.0	19.0	10.0
25	12.5	0.0	1.5	1.0	1.0	3.0	14.0	18.0	20.0	19.5	18.5	10.5
26	11.0	1.0	1.0	1.5	1.5	3.5	14.5	18.0	20.5	19.5	18.0	11.5
27	10.0	1.5	1.0	0.0	2.0	4.0	15.0	18.0	20.0	20.0	18.5	13.0
28	9.0	1.0	2.0	0.5	2.0	3.5	14.5	18.0	20.0	19.0	19.0	13.0
29	8.0	1.5	1.0	1.0	---	4.0	15.0	18.0	19.0	19.0	19.0	9.0
30	8.0	1.5	1.5	1.5	---	4.5	15.5	18.5	19.0	18.5	18.5	8.0
31	7.0	---	0.0	1.5	---	4.5	---	18.0	---	18.0	18.5	---
MONTH	13.0	2.5	1.0	1.0	1.0	2.0	9.0	17.0	18.5	19.0	18.5	12.5

06771000 WOOD RIVER NEAR RIVERDALE, NEBR.

LOCATION.--Lat 40°47'56", long 99°11'48", in NW¼NW¼ sec.31, T.10 N., R.16 W., Buffalo County, at gaging station at bridge on State Highway 40, 1.5 mi (2.4 km) northwest of Riverdale.

DRAINAGE AREA.--379 mi^2 (982 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1974 to September 1974.
Sediment records: April 1947 to January 1952.

EXTREMES.--Period of record:
Sediment concentrations: Maximum daily, not determined; minimum daily, not determined.
Sediment discharge: Maximum daily, 356,000 tons June 22, 1947; minimum daily, less than 0.050 ton Oct. 15, 1951.

WATER QUALITY DATA, MARCH 1974 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	ALKA-LINITY AS CACO3 (MG/L) (00410)	TOTAL NITRATE (N) (MG/L) (00620)	TOTAL NITRITE (N) (MG/L) (00615)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)
MAR. 07...	1015	3.5	--	.03	.01	.04	.08	--	--	4.0	--
APR. 16...	1205	5.0	--	.05	.00	.05	.16	--	--	8.0	--
MAY 30...	1200	.50	--	.13	.00	.13	1.1	--	--	22.0	--
JUNE 25...	1305	.50	--	.98	.02	1.0	.80	--	--	24.0	--
JULY 23...	1300	.50	86	.38	.00	.38	.14	175	8.4	25.0	8.9
AUG. 21...	1100	1.0	--	.80	.00	.80	.29	--	--	21.0	--

06771500 WOOD RIVER NEAR GIBBON, NEBR.

LOCATION.--Lat 40°46'17", long 98°47'51", in NW¼NW¼ sec.9, T.9 N., R.13 W., Buffalo County, at gaging station at bridge on county highway and 2.5 mi (4.0 km) northeast of Gibbon.

DRAINAGE AREA.--572 mi^2 (1,481 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1974 to September 1974.

WATER QUALITY DATA, MARCH 1974 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	TOTAL NITRATE (N) (MG/L) (00620)	TOTAL NITRITE (N) (MG/L) (00615)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)
MAR.								
07...	0845	5.4	.12	.04	.16	4.5	--	5.0
APR.								
03...	0820	1.7	.24	.07	.31	1.0	--	5.0
MAY								
30...	0900	.14	.08	.01	.09	1.6	--	19.0
JUNE								
25...	1015	6.2	1.9	.01	1.9	.04	--	20.0
JULY								
23...	1030	8.9	8.0	.00	8.0	.04	--	24.0
AUG.								
21...	0900	4.0	5.8	.00	5.8	.16	--	21.0
SEP.								
17...	0830	.04	--	--	--	--	2300	--
17...	0845	--	1.5	.09	1.6	.47	--	14.0

06772000 WOOD RIVER NEAR ALDA, NEBR.

LOCATION.--Lat 40°51'10", long 98°28'20", in NE¼SE¼ sec.7, T.10 N., R.10 W., Hall County, on right bank 1.2 mi (1.9 km) south of Alda, 2.2 mi (3.5 km) upstream from old north channel of the Platte River, and 19 mi (31 km) upstream from present mouth.

DRAINAGE AREA.--628 mi^2 (1,627 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1974 to September 1974.

WATER QUALITY DATA, MARCH 1974 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	TOTAL NITRATE (N) (MG/L) (00620)	TOTAL NITRITE (N) (MG/L) (00615)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)
MAR.												
05...	1700	2.5	--	--	--	--	--	.85	.12	.97	1.0	--
APR.												
10...	0920	5.5	216	18	207	47	39	.25	.05	.30	.14	2.0
23...	1005	1.4	--	--	--	--	37	--	--	<.05	.22	2.3
MAY												
08...	1035	.09	394	23	361	82	130	.00	.01	<.10	.19	2.8
JUNE												
18...	0800	--	--	--	--	--	52	--	--	.30	.26	1.8
18...	0850	6.4	112	0	92	--	--	.39	.06	.45	.41	--
JULY												
02...	1140	4.4	250	18	235	72	31	5.9	.00	5.9	.16	1.2
17...	0940	4.4	376	19	340	194	52	--	--	4.6	.13	.81
AUG.												
01...	1120	3.3	293	34	297	170	49	--	--	.80	3.8	.90
13...	0945	4.0	355	28	338	195	56	1.9	.04	1.9	.07	.92
29...	0940	.19	304	14	274	--	66	--	--	1.6	.14	1.2

DATE	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	TOTAL MERCURY (HG) (UG/L) (71900)
MAR.											
05...	--	--	--	--	--	5.0	--	--	--	--	--
APR.											
10...	2.1	2.4	1.3	--	8.0	8.5	30	9.8	850	720	--
23...	2.5	--	.80	--	8.6	10.5	15	9.1	255	44	.4
MAY											
08...	3.0	3.0	1.3	--	8.3	23.5	30	--	3600	5400	.5
JUNE											
18...	2.1	2.4	2.5	--	--	--	--	--	--	--	.4
18...	--	--	--	--	--	19.0	--	--	5800	5900	--
JULY											
02...	1.3	7.3	1.8	--	8.2	23.5	--	--	6500	284	10
17...	.94	5.5	1.0	--	--	21.5	--	--	1430	1820	.2
AUG.											
01...	4.7	5.5	3.4	--	7.4	20.0	20	9.4	3200	520	.5
13...	.99	2.9	1.1	1140	--	20.5	--	--	400	188	.3
29...	1.3	2.9	.69	--	--	17.0	--	--	3900	10000	1.0

06772000 WOOD RIVER NEAR ALDA, NEBR.--Continued

WATER QUALITY DATA, MARCH 1974 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	TOTAL IRON (FE) (UG/L) (01045)	TOTAL CAL-CIUM (CA) (MG/L) (00916)	TOTAL MAG-NE-SIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL PO-TAS-SIUM (K) (MG/L) (00937)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
APR.												
10...	0920	5.5	1670	39	11	39	14	47	39	.30	.14	2.1
23...	1005	1.4	370	61	19	41	--	--	37	<.05	.22	2.5
MAY												
08...	1035	.09	1480	74	26	98	--	82	130	<.10	.19	3.0
JUNE												
18...	0800	--	1300	78	17	46	--	--	52	.30	.26	2.1
JULY												
02...	1140	4.4	1940	85	16	35	--	72	31	5.9	.16	1.3
17...	0940	4.4	630	132	26	65	17	194	52	4.6	.13	.94
AUG.												
01...	1120	3.3	1090	75	15	69	9.8	170	49	.80	3.8	4.7
13...	0945	4.0	230	141	24	75	15	195	56	1.9	.07	.99
29...	0940	.19	880	106	23	77	16	--	66	1.6	.14	1.3

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	TUR-BID-ITY (NTU) (00076)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	TOTAL COPPER (CU) (UG/L) (01042)	TOTAL LEAD (PB) (UG/L) (01051)	TOTAL MERCURY (HG) (UG/L) (71900)	TOTAL ZINC (ZN) (UG/L) (01092)
APR.											
10...	1.3	396	12	54	12	<5	12	14	<50	--	114
23...	.80	448	8	67	11	9	<5	23	50	.4	45
MAY											
08...	1.3	718	18	86	[illegible]	5	<5	16	70	.5	79
JUNE											
18...	2.5	496	10	65	24	5	<5	17	70	.4	131
JULY											
02...	1.8	504	20	34	18	<5	13	13	30	10	137
17...	1.0	790	4	26	8.0	<5	10	35	40	.2	53
AUG.											
01...	3.4	536	10	16	11	<5	<5	14	40	.5	51
13...	1.1	796	0	18	--	<5	8	10	60	.3	65
29...	.69	720	3	26	29	<5	<5	7	50	1.0	40

06772200 WOOD RIVER NEAR GRAND ISLAND, NEBR.

LOCATION.--Lat 40°56'05", long 98°16'56", in SW¼NW¼SW¼ sec.7, T.11 N., R.8 W., Merrick County, at bridge on county road, 1.0 mi (1.6 km) south of U.S. Highway 30, 3.0 mi (4.8 km) east of Grand Island.

PERIOD OF RECORD.--Chemical analyses: April 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
OCT.											
29...	1330	46	--	--	--	--	--	--	--	--	--
NOV.											
05...	1320	37	.2	30	60	83	16	44	13	241	0
DEC.											
21...	1245	36	--	--	--	--	--	--	--	--	--
JAN.											
15...	1250	34	--	--	--	--	--	--	--	--	--
FEB.											
07...	1005	60	26	50	80	100	21	61	11	249	0
MAR.											
13...	1250	38	--	--	--	--	--	--	--	--	--
28...	1045	49	--	--	--	--	--	--	--	265	0
APR.											
10...	1105	74	--	--	--	--	--	--	--	255	0
23...	1135	54	--	--	--	--	--	--	--	--	--
MAY											
08...	0855	39	24	80	50	87	18	71	13	257	0
21...	0925	25	--	--	--	--	--	--	--	248	0
JUNE											
05...	1035	31	--	--	--	--	--	--	--	253	0
18...	1245	33	--	--	--	--	--	--	--	147	0
JULY											
02...	0847	27	--	--	--	--	--	--	--	276	0
17...	1150	31	--	--	--	--	--	--	--	244	0
AUG.											
01...	0937	22	--	--	--	--	--	--	--	227	0
13...	1015	14	32	60	50	80	16	89	20	231	0
29...	1150	13	--	--	--	--	--	--	--	271	0
SEP.											
11...	0910	10	--	--	--	--	--	--	--	256	0
26...	0910	3.6	--	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT.										
29...	--	--	39	--	--	2.9	4.1	2.4	.36	2.8
NOV.										
05...	198	110	35	.4	--	.08	3.4	--	1.1	4.5
DEC.										
21...	--	--	64	--	6.1	3.2	.33	--	.97	1.3
JAN.										
15...	--	--	63	--	1.9	1.8	1.8	--	3.2	5.0
FEB.										
07...	204	210	37	.4	2.4	2.3	2.3	--	.80	3.1
MAR.										
13...	--	--	120	--	1.9	1.6	4.0	--	.70	4.7
28...	217	145	55	--	1.8	--	3.3	--	1.3	4.6
APR.										
10...	209	170	49	--	1.6	1.7	1.7	--	1.1	2.8
23...	--	180	44	--	1.7	--	2.9	--	.40	3.3
MAY										
08...	211	160	61	.6	1.9	2.1	2.9	--	.60	3.5
21...	203	130	44	--	1.6	--	3.7	--	.90	4.6
JUNE										
05...	208	162	73	--	1.2	1.6	3.1	--	.50	3.6
18...	121	--	71	--	1.6	--	3.7	--	1.0	4.7
JULY										
02...	226	--	110	--	5.4	3.4	.05	--	.57	.62
17...	200	183	63	--	2.5	--	1.8	--	.42	2.3
AUG.										
01...	186	174	63	--	3.5	--	.12	--	1.7	1.8
13...	190	148	83	.5	2.2	2.4	7.1	--	1.7	8.8
29...	222	--	136	--	.50	--	9.2	--	.10	9.3
SEP.										
11...	210	145	111	--	1.7	1.8	7.7	--	2.3	10
26...	--	158	157	--	.10	--	19	--	.00	19

06772200 WOOD RIVER NEAR GRAND ISLAND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT.										
29...	--	1.7	1.6	508	--	.69	63.1	--	--	--
NOV.										
05...	--	1.2	1.0	--	421	.57	42.1	270	75	1.2
DEC.										
21...	7.4	1.3	1.2	529	--	.72	52.0	--	--	--
JAN.										
15...	6.9	1.1	.90	569	--	.77	52.2	--	--	--
FEB.										
07...	5.5	1.1	.99	--	600	.82	97.2	340	130	1.4
MAR.										
13...	6.6	1.0	.91	683	--	.93	70.1	--	--	--
28...	6.4	1.4	--	--	--	--	--	--	--	--
APR.										
10...	4.4	.90	.76	599	--	.81	120	--	--	--
23...	5.0	1.2	--	--	--	--	--	--	--	--
MAY										
08...	5.4	2.0	1.7	--	579	.79	61.1	290	79	1.8
21...	6.2	1.8	--	--	--	--	--	--	--	--
JUNE										
05...	4.8	1.3	1.3	595	--	.81	49.8	--	--	--
18...	6.3	1.8	--	--	--	--	--	--	--	--
JULY										
02...	6.0	2.2	2.2	645	--	.88	47.0	--	--	--
17...	4.8	.43	--	--	--	--	--	--	--	--
AUG.										
01...	5.3	1.0	--	--	--	--	--	--	--	--
13...	11	2.7	2.5	--	593	.81	22.4	270	76	2.4
29...	9.8	2.5	--	--	--	--	--	--	--	--
SEP.										
11...	12	3.5	3.4	676	--	.92	19.3	--	--	--
26...	19	8.1	--	--	--	--	--	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)
OCT.										
29...	793	7.3	17.0	--	--	7.0	12	10000	740	--
NOV.										
05...	756	7.9	14.0	9	10	7.5	6.5	300	200	--
DEC.										
21...	843	7.4	11.0	--	10	8.3	8.8	10000	400	--
JAN.										
15...	917	7.3	12.5	--	10	6.7	--	170000	15600	--
FEB.										
07...	941	7.4	2.5	8	10	--	7.9	6600	1600	0
MAR.										
13...	1120	7.5	7.0	--	5	10.7	4.4	8300	4100	--
28...	--	7.6	12.5	--	15	7.0	--	20800	19800	--
APR.										
10...	934	7.7	13.5	--	15	7.3	5.4	61700	3300	--
23...	--	7.5	19.0	--	15	7.4	--	18000	700	--
MAY										
08...	916	7.4	17.5	7	15	--	13	30000	1200	--
21...	--	7.6	18.0	--	25	6.2	--	2700	2000	--
JUNE										
05...	962	7.4	24.0	--	20	6.0	18	2000	1550	--
18...	--	7.4	24.0	--	30	7.4	--	19700	4800	--
JULY										
02...	1030	7.7	23.0	--	25	5.6	--	21000	380	--
17...	--	--	28.0	--	15	5.4	--	4330	680	--
AUG.										
01...	--	7.3	22.5	--	10	4.6	--	340000	2050	--
13...	996	7.8	24.5	7	5	6.0	12	73000	650	2
29...	--	7.4	19.0	--	7	4.5	--	91000	6200	--
SEP.										
11...	1120	7.4	19.0	--	15	4.2	15	350000	8800	--
26...	--	7.4	16.0	--	4	5.5	--	33500	720	--

06772200 WOOD RIVER NEAR GRAND ISLAND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT.										
29...	--	--	--	--	--	--	--	--	--	--
NOV.										
05...	150	--	--	--	--	--	--	--	--	--
DEC.										
21...	--	--	--	--	--	--	--	--	--	--
JAN.										
15...	--	--	--	--	--	--	--	--	--	--
FEB.										
07...	100	0	0	5	2	.0	.1	6	0	50
MAR.										
13...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	.5	--	--	--	--
APR.										
10...	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	.4	--	--	--	--
MAY										
08...	120	--	--	--	--	.5	--	--	--	--
21...	--	--	--	--	--	.3	--	--	--	--
JUNE										
05...	--	--	--	--	--	.4	--	--	--	--
18...	--	--	--	--	--	.4	--	--	--	--
JULY										
02...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	.2	--	--	--	--
AUG.										
01...	--	--	--	--	--	1.3	--	--	--	--
13...	280	<1	0	4	4	.5	.0	3	0	30
29...	--	--	--	--	--	1.3	--	--	--	--
SEP.										
11...	--	--	--	--	--	.4	--	--	--	--
26...	--	--	--	--	--	1.6	--	--	--	--

DATE	TIME	DIS-CHARGE (CFS) (00060)	TOTAL IRON (FE) (UG/L) (01045)	TOTAL CAL-CIUM (CA) (MG/L) (00916)	TOTAL MAG-NE-SIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL PO-TAS-SIUM (K) (MG/L) (00937)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
FEB.												
07...	1005	60	--	--	--	--	--	210	37	2.4	2.3	3.1
MAR.												
28...	1045	49	1100	50	17	50	10	145	55	1.8	3.3	4.6
APR.												
10...	1105	74	1170	57	17	64	11	170	49	1.6	1.7	2.0
23...	1135	54	13580	65	18	10	10	180	44	1.7	2.9	3.3
MAY												
08...	0855	39	1180	64	16	65	10	168	61	1.9	2.9	3.5
21...	0925	25	14600	55	17	52	11	130	44	1.6	3.7	4.6
JUNE												
05...	1035	31	1300	39	15	15	10	162	73	1.2	3.1	3.6
18...	1245	33	720	86	20	72	--	--	71	1.6	3.7	4.7
JULY												
17...	1150	31	1780	90	17	75	10	183	63	2.5	1.8	2.3
AUG.												
01...	0937	22	310	122	22	68	14	174	63	3.5	.12	1.8
13...	1015	14	870	77	14	88	14	148	83	2.2	7.1	8.8
29...	1150	13	400	82	14	151	12	--	136	.50	9.2	9.3
SEP.												
11...	0910	10	890	78	17	106	14	145	111	1.7	7.7	10
26...	0910	3.6	550	68	16	158	22	158	157	.10	19	19

06772200 WOOD RIVER NEAR GRAND ISLAND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	TUR-BID-ITY (NTU) (00076)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	TOTAL COPPER (CU) (UG/L) (01042)	TOTAL LEAD (PB) (UG/L) (01051)	TOTAL MERCURY (HG) (UG/L) (71900)	TOTAL ZINC (ZN) (UG/L) (01092)
FEB.											
07...	1.1	--	--	--	--	--	--	--	--	.0	--
MAR.											
28...	1.4	578	5	32	6.0	11	14	22	<50	.5	99
APR.											
10...	.90	634	4	32	4.0	<5	12	17	<50	--	109
23...	1.2	600	3	14	3.0	7	17	21	70	.4	66
MAY											
08...	2.0	588	3	16	2.5	5	9	20	80	.5	70
21...	1.8	196	11	25	5.0	<5	14	17	50	.3	106
JUNE											
05...	1.3	647	10	18	7.0	<5	8	18	50	.4	61
18...	1.8	654	6	30	11	5	5	12	100	.4	67
JULY											
17...	.43	620	11	30	11	<5	13	31	40	.2	132
AUG.											
01...	1.0	714	2	28	15	<5	<5	6	20	1.3	30
13...	2.7	654	1	19	--	<5	13	16	60	.5	99
29...	2.5	308	1	22	22	<5	<5	10	40	1.3	53
SEP.											
11...	3.5	630	--	--	12	--	<5	41	<50	.4	72
26...	8.1	786	--	38	--	--	8	20	<50	1.6	124

06772500 WOOD RIVER NEAR CHAPMAN, NEBR.

LOCATION.--Lat 40°57'56", long 98°12'22", in NE¼SE¼ sec.34, T.12 N., R.8 W., Merrick County, at county road bridge 2.5 mi (4.0 km) west and 4.0 mi (6.4 km) south of center of Chapman.

DRAINAGE AREA.--700 mi² (1,810 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1967 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
OCT. 15...	1640	72	25	50	60	64	12	32	14	204	0
NOV. 05...	1115	26	--	--	--	--	--	--	--	--	--
DEC. 03...	1345	48	--	--	--	--	--	--	--	--	--
JAN. 09...	1000	26	31	40	290	82	17	80	13	253	0
FEB. 07...	0920	68	--	--	--	--	--	--	--	--	--
MAR. 06...	1320	43	--	--	--	--	--	--	--	--	--
APR. 04...	1330	54	21	20	210	82	16	71	11	219	0
MAY 16...	1105	32	--	--	--	--	--	--	--	--	--
JUNE 12...	1130	26	--	--	--	--	--	--	--	--	--
JULY 11...	0910	24	27	20	20	85	17	70	14	216	--
AUG. 19...	1510	7.4	29	--	--	78	15	68	14	--	--
SEP. 18...	1130	.80	--	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)
OCT. 15...	167	85	26	.4	--	3.5	1.0	1.3	2.3	--	1.7
NOV. 05...	--	--	37	--	--	3.3	2.9	.12	3.0	--	1.3
DEC. 03...	--	--	49	--	--	2.2	2.0	.40	2.4	--	.97
JAN. 09...	208	130	83	.5	3.0	2.8	.03	3.9	3.9	6.9	1.0
FEB. 07...	--	--	58	--	3.2	2.7	1.8	1.1	2.9	6.1	1.0
MAR. 06...	--	--	64	--	2.0	2.0	2.2	.80	3.0	5.0	1.5
APR. 04...	180	160	58	.6	2.0	1.6	1.6	1.2	2.8	4.8	.78
MAY 16...	--	--	63	--	1.9	1.9	.11	1.6	1.7	3.6	1.4
JUNE 12...	--	--	64	--	2.6	2.3	3.3	.60	3.9	6.5	1.7
JULY 11...	177	160	52	.5	5.6	3.7	.45	2.2	2.6	8.2	1.2
AUG. 19...	--	120	76	.5	4.3	8.8	4.7	2.4	7.1	11	1.9
SEP. 18...	--	--	180	--	14	14	17	1.0	18	32	7.1

06772500 WOOD RIVER NEAR CHAPMAN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)
OCT.										
15...	1.4	--	375	.51	72.9	210	42	1.0	596	7.6
NOV.										
05...	1.2	488	--	.66	34.3	--	--	--	782	7.7
DEC.										
03...	.87	592	--	.81	76.7	--	--	--	930	7.6
JAN.										
09...	1.7	--	574	.78	40.3	280	67	2.1	950	7.4
FEB.										
07...	1.1	600	--	.82	110	--	--	--	937	7.1
MAR.										
06...	1.3	600	--	.82	69.7	--	--	--	943	7.4
APR.										
04...	.44	--	535	.73	78.0	270	91	1.9	862	7.6
MAY										
16...	1.2	561	--	.76	48.5	--	--	--	896	7.6
JUNE										
12...	1.5	552	--	.75	38.8	--	--	--	904	7.7
JULY										
11...	.94	--	549	.75	35.6	280	110	1.8	876	7.6
AUG.										
19...	1.8	301	507	.41	6.01	260	140	1.8	655	7.6
SEP.										
18...	7.1	798	--	1.09	1.72	--	--	--	1390	7.9

DATE	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.										
15...	19.0	50	90	6.4	16	3400	770	--	--	250
NOV.										
05...	9.0	--	10	8.7	7.1	5000	610	--	--	--
DEC.										
03...	5.0	--	15	9.9	6.6	4600	610	--	--	--
JAN.										
09...	1.0	5	15	9.6	12	--	6200	4	200	170
FEB.										
07...	1.0	--	20	--	11	6900	1100	--	--	--
MAR.										
06...	13.0	--	10	9.3	12	500	190	--	--	--
APR.										
04...	9.5	5	30	7.9	2.6	2930	2350	--	--	110
MAY										
16...	18.0	--	20	6.7	16	23700	1260	--	--	--
JUNE										
12...	20.0	--	15	6.9	12	2700	1100	--	--	--
JULY										
11...	25.0	6	20	5.7	12	83000	130	6	<100	200
AUG.										
19...	27.5	--	10	6.4	6.5	73	41	--	--	210
SEP.										
18...	23.0	--	2	8.7	6.5	210000	2300	--	--	--

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) [illegible]	DIS-SOLVED CHRO-MIUM (CR) (UG/L) [illegible]	HEXA-VALENT CHRO-MIUM (CR) (UG/L) [illegible]	DIS-SOLVED COPPER (CU) (UG/L) [illegible]	DIS-SOLVED LEAD (PB) (UG/L) [illegible]	TOTAL MERCURY (HG) (UG/L) [illegible]	DIS-SOLVED MERCURY (HG) (UG/L) [illegible]	DIS-SOLVED SELE-NIUM (SE) (UG/L) [illegible]	DIS-SOLVED SILVER (AG) (UG/L) [illegible]	DIS-SOLVED ZINC (ZN) (UG/L) [illegible]
OCT.										
15...	--	--	--	--	--	--	--	--	--	--
NOV.										
05...	--	--	--	--	--	--	--	--	--	--
DEC.										
03...	--	--	--	--	--	--	--	--	--	--
JAN.										
09...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FEB.										
07...	--	--	--	--	--	--	--	--	--	--
MAR.										
06...	--	--	--	--	--	--	--	--	--	--
APR.										
04...	--	--	--	--	--	--	--	--	--	--
MAY										
16...	--	--	--	--	--	--	--	--	--	--
JUNE										
12...	--	--	--	--	--	--	--	--	--	--
JULY										
11...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUG.										
19...	--	--	--	--	--	--	--	--	--	--
SEP.										
18...	--	--	--	--	--	--	--	--	--	--

06774000 PLATTE RIVER NEAR DUNCAN, NEBR.

LOCATION.--Lat 41°22'04", long 97°29'40", in SE¼SW¼ sec.12, T.16 N., R.2 W., Platte County, at gaging station at highway bridge 1.5 mi (2.4 km) south of Duncan and 12 mi (19.3 km) upstream from Loup River.

DRAINAGE AREA.--64,900 mi^2 (168,000 km^2), approximately, of which about 56,100 mi^2 (145,000 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: December 1964 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) 00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
OCT.									
25...	1045	5540	25	80	23	77	11	255	0
NOV.									
16...	1200	4420	25	81	24	78	11	235	8
DEC.									
27...	1600	3400	26	86	25	80	9.4	259	0
JAN.									
17...	1500	3880	25	80	23	74	9.8	250	0
FEB.									
28...	1435	5840	24	77	21	65	10	243	0
MAR.									
19...	1630	6150	22	82	23	77	10	247	0
APR.									
11...	1601	7130	17	72	22	75	10	227	0
MAY									
21...	1030	1690	18	59	17	53	10	195	0
JUNE									
12...	1055	1710	19	45	12	33	11	169	0
JULY									
03...	1200	166	52	62	21	67	12	212	0
AUG.									
13...	1300	101	24	60	25	89	23	198	0
SEP.									
25...	1300	284	21	68	22	89	12	217	0

DATE	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) 00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)
OCT.									
25...	209	210	25	.6	.30	.05	579	.79	8660
NOV.									
16...	206	230	27	.5	.94	.14	605	.82	7220
DEC.									
27...	212	230	28	.6	1.2	.10	618	.84	5670
JAN.									
17...	205	220	26	.5	1.1	.07	587	.80	6150
FEB.									
28...	199	180	24	.6	1.7	.16	529	.72	8340
MAR.									
19...	203	220	26	.6	.78	.09	586	.80	9730
APR.									
11...	186	200	21	.7	.70	.05	533	.72	10300
MAY									
21...	160	150	20	1.1	.60	.27	427	.58	1950
JUNE									
12...	139	79	12	.5	1.1	.36	300	.41	1390
JULY									
03...	174	190	24	.3	.03	.04	533	.72	239
AUG.									
13...	162	270	36	.5	.02	.02	623	.85	170
SEP.									
25...	178	230	23	.6	.03	.06	579	.79	444

06774000 PLATTE RIVER NEAR DUNCAN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED BORON (B) (UG/L) (01020)
OCT. 25...	290	85	2.0	895	8.3	13.0	20	160
NOV. 16...	300	95	2.0	920	8.4	6.0	5	130
DEC. 27...	320	110	2.0	924	8.0	.4	4	140
JAN. 17...	290	89	1.9	891	7.9	1.0	10	120
FEB. 28...	280	79	1.7	837	8.2	37.0	30	130
MAR. 19...	300	97	1.9	896	8.3	10.0	7	120
APR. 11...	270	84	2.0	832	8.3	12.0	7	130
MAY 21...	220	57	1.6	672	7.6	21.0	30	120
JUNE 12...	160	23	1.1	493	7.6	16.0	50	90
JULY 03...	240	67	1.9	792	7.9	23.5	5	140
AUG. 13...	250	90	2.4	914	8.2	23.0	5	180
SEP. 25...	260	82	2.4	901	--	20.0	3	560

06775500 MIDDLE LOUP RIVER AT DUNNING, NEBR.

LOCATION.--Lat 41°49'50", long 100°06'00", in NW¼SE¼ sec.33, T.22 N., R.24 W., Blaine County, temperature recorder at gaging station at bridge on State Highway 2 at northeast corner of Dunning, 1 mi (1.6 km) upstream from Dismal River.

DRAINAGE AREA.--1,850 mi^2 (4,790 km^2), approximately, of which about 80 mi^2 (207 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Water temperatures: October 1949 to September 1956, October 1965 to September 1974.
Sediment records: March 1950 to September 1952, October 1953 to September 1954.

EXTREMES.--1973-74:
Water temperatures: Maximum, 30.5°C June 20; minimum, freezing point on many days during December and January.

Period of record:
Water temperatures: Maximum, 34°C June 21, 1956; minimum, freezing point on many days during winter period.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.5	13.5	6.5	5.5	5.5	3.5	1.0	1.0	5.5	1.0	11.5	5.0
2	18.5	14.5	5.5	4.5	8.0	4.5	1.0	1.0	6.0	2.0	13.0	8.0
3	17.0	12.0	5.0	3.5	5.0	3.5	1.0	1.0	5.5	2.0	12.0	8.5
4	15.5	10.0	4.5	3.0	4.0	2.0	1.0	1.0	6.5	3.0	11.0	7.0
5	15.0	11.0	4.5	3.5	3.5	1.5	0.5	0.5	5.5	1.0	10.5	4.0
6	18.0	12.0	5.0	4.5	1.5	1.5	0.5	0.5	1.0	1.0	13.0	6.0
7	18.5	13.0	5.5	4.5	4.5	1.0	0.5	0.5	1.0	1.0	10.0	5.5
8	18.5	15.5	4.5	3.5	6.5	4.0	0.5	0.5	1.0	1.0	13.0	6.0
9	16.0	12.0	4.5	3.5	4.0	1.5	0.5	0.5	1.5	1.0	10.5	5.0
10	11.5	9.5	8.0	4.5	2.0	1.5	0.5	0.5	6.0	1.0	7.0	5.0
11	10.0	7.0	9.0	5.5	5.5	2.0	0.5	0.5	8.0	3.0	6.0	4.5
12	11.5	5.5	11.0	8.0	5.0	3.5	0.5	0.5	8.0	3.5	5.5	5.0
13	14.0	8.5	11.0	8.0	3.5	1.5	0.5	0.5	8.0	3.5	5.5	4.5
14	16.0	10.5	10.0	8.0	4.0	1.5	0.5	0.5	6.0	3.5	11.0	5.0
15	15.5	11.5	10.0	8.0	2.0	1.5	1.0	1.0	8.0	3.0	8.0	4.5
16	13.5	11.0	6.0	5.5	1.5	1.5	1.0	1.0	9.0	3.5	9.5	3.0
17	15.5	9.5	9.0	5.0	4.0	1.5	1.0	1.0	9.5	4.5	11.0	4.5
18	16.5	11.0	9.0	5.5	4.0	1.0	1.0	1.0	8.5	5.0	10.5	7.0
19	16.0	12.0	6.0	3.5	1.0	1.0	1.0	1.0	8.0	4.0	10.0	5.0
20	16.5	11.0	3.5	1.5	1.0	1.0	1.0	1.0	7.0	1.0	5.5	1.0
21	16.5	12.0	1.5	1.5	1.0	1.0	1.0	1.0	1.5	1.0	7.0	1.0
22	16.5	11.5	5.0	1.5	1.0	1.0	3.5	1.0	4.5	1.0	5.5	1.5
23	16.5	12.0	4.5	3.5	1.0	1.0	2.0	1.0	3.5	1.0	5.0	0.5
24	15.0	10.0	8.0	3.0	0.5	0.5	3.5	1.0	3.5	1.0	5.5	0.5
25	13.0	9.5	4.5	3.0	0.5	0.5	5.5	2.0	6.0	1.0	10.5	2.0
26	11.0	8.5	5.5	3.5	0.5	0.5	5.5	3.5	9.0	3.0	11.0	5.0
27	11.5	8.0	5.5	3.5	0.5	0.5	5.5	2.0	9.0	5.0	10.0	6.0
28	10.5	6.0	5.5	2.0	1.0	1.0	5.5	2.0	9.0	6.0	14.0	7.0
29	11.0	5.5	8.5	3.5	1.0	1.0	5.5	2.0	---	---	11.5	7.0
30	10.0	8.0	6.0	4.5	1.0	1.0	5.5	3.5	---	---	13.0	6.0
31	10.0	6.5	---	---	1.0	1.0	4.0	1.0	---	---	11.5	9.5
MONTH	18.5	5.5	11.0	1.5	8.0	0.5	5.5	0.5	9.5	1.0	14.0	0.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	17.0	7.0	19.5	13.5	20.0	16.0	26.5	19.0	25.5	19.0	16.0	11.5
2	16.0	7.0	19.5	13.5	23.0	16.5	28.5	20.0	23.5	17.0	16.5	10.0
3	10.0	0.5	19.0	11.0	25.5	18.0	26.0	20.0	21.5	16.5	17.0	9.5
4	8.0	0.5	19.0	12.0	25.5	18.0	27.0	16.5	24.0	16.5	18.5	12.0
5	11.5	3.0	21.5	13.0	25.0	18.0	25.5	19.0	24.0	16.5	17.0	11.5
6	13.5	6.0	21.0	16.0	23.5	17.0	26.0	19.0	24.0	16.5	21.0	13.5
7	12.0	7.0	20.0	15.0	20.5	16.0	25.5	18.5	22.0	16.5	21.5	15.0
8	16.0	5.5	21.0	16.0	18.5	13.5	27.0	19.0	25.5	17.0	22.0	16.0
9	16.5	8.0	22.0	16.0	19.5	12.0	29.5	21.0	24.5	18.5	23.0	16.0
10	16.5	8.0	19.5	15.0	21.0	12.0	30.0	21.5	22.0	18.5	23.0	16.5
11	[illegible]	[illegible]	[illegible]	[illegible]	20.0	15.0	29.5	22.0	23.5	15.0	20.0	12.0
12	[illegible]	[illegible]	[illegible]	[illegible]	26.0	15.0	28.5	22.0	24.0	17.0	12.0	9.5
13	[illegible]	[illegible]	[illegible]	[illegible]	28.0	17.0	28.5	21.5	25.0	18.0	15.5	8.5
14	[illegible]	[illegible]	[illegible]	[illegible]	28.5	19.0	28.5	21.5	25.0	18.0	16.0	10.5
15	[illegible]	[illegible]	[illegible]	[illegible]	28.5	19.0	28.0	20.0	20.5	19.0	20.0	13.0
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MONTH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

06775900 DISMAL RIVER NEAR THEDFORD, NEBR.
(Hydrologic bench-mark and radiochemical station)

LOCATION.--Lat 41°46'45", long 100°31'30", in SE¼NW¼ sec.23, T.21 N., R.28 W., Thomas County, at gaging station at bridge on State Highway 83, 2 mi (3.2 km) upstream from boundary of Nebraska National Forest (Bessey Division) and 14 mi (22.5 km) south of Thedford.

DRAINAGE AREA.--960 mi^2 (2,490 km^2), approximately, of which about 30 mi^2 (78 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1967 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
NOV. 07...	0945	200	56	30	10	23	3.5	7.4	5.5	99	0	81
JAN. 10...	0945	190	59	20	0	22	3.2	7.3	4.8	99	0	81
MAR. 13...	1010	204	55	70	0	23	3.2	6.9	5.0	96	0	79
JUNE 05...	0945	187	57	10	0	25	3.3	6.9	4.9	101	0	83
JULY 16...	1010	179	57	30	--	23	3.7	8.9	4.8	101	0	83
SEP. 19...	0930	185	57	50	0	23	4.8	8.1	5.4	101	0	83

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL NON-FILT-RABLE RESIDUE (MG/L) (00530)	HARD-NESS (CA,MG) (MG/L) (00900)
NOV. 07...	8.1	1.3	.2	.40	.38	147	160	156	.20	79.4	160	72
JAN. 10...	6.6	1.3	.3	.52	.18	158	--	156	.21	81.1	--	68
MAR. 13...	7.5	1.6	.4	.48	.19	150	--	152	.20	82.6	--	71
JUNE 05...	7.8	1.5	.4	.38	.22	142	--	159	.19	71.7	--	76
JULY 16...	8.2	1.6	.3	.27	.15	144	--	160	.20	69.6	--	73
SEP. 19...	8.1	2.6	.3	.51	.22	146	--	161	.20	72.9	--	77

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
NOV. 07...	0	.6	190	7.6	6.0	5	20	9.0	--	52	190	160
JAN. 10...	0	.6	170	7.3	2.0	10	15	11.6	.3	--	40	13
MAR. 13...	0	.6	175	7.9	5.0	7	10	9.1	1.0	69	43	96
JUNE 05...	0	.3	181	7.7	19.0	20	45	7.8	1.0	1700	900	860
JULY 16...	0	.5	186	7.5	18.0	7	15	7.7	1.7	230	192	281
SEP. 19...	0	.6	170	7.6	14.0	3	25	8.4	.8	--	93	33

DATE	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	CYANIDE (CN) (MG/L) (00720)	ALDRIN (UG/L) (39330)	ALDRIN IN BOTTOM DE-POSITS (UG/KG) (39333)	CHLOR-DANE (UG/L) (39350)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG) (39351)	DDD (UG/L) (39360)	DDD IN BOTTOM DE-POSITS (UG/KG) (39363)	DDE (UG/L) (39365)	DDE IN BOTTOM DE-POSITS (UG/KG) (39368)	DDT (UG/L) (39370)	DDT IN BOTTOM DE-POSITS (UG/KG) (39373)
NOV. 07...	2.0	.00	.00	.0	.0	0	.00	.0	.00	.0	.00	.0
JAN. 10...	--	--	--	--	--	--	--	--	--	--	--	--
MAR. 13...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 05...	--	.00	--	--	--	--	--	--	--	--	--	--
JULY 16...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 19...	--	--	--	--	--	--	--	--	--	--	--	--

06775900 DISMAL RIVER NEAR THEDFORD, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DI-AZINON (UG/L) (39570)	DI-ELDRIN (UG/L) (39380)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG) (39383)	ENDRIN (UG/L) (39390)	ENDRIN IN BOTTOM DE-POSITS (UG/KG) (39393)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG) (39413)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG) (39423)	LINDANE (UG/L) (39340)	LINDANE IN BOTTOM DE-POSITS (UG/KG) (39343)	MALA-THION (UG/L) (39530)
NOV. 07...	.00	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JAN. 10...	--	--	--	--	--	--	--	--	--	--	--	--
MAR. 13...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 05...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 16...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 19...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	METHYL PARA-THION (UG/L) (39600)	PARA-THION (UG/L) (39540)	PCB (UG/L) (39516)	PCB IN BOTTOM DE-POSITS (UG/KG) (39519)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)
NOV. 07...	.00	.00	.0	0	.00	.00	.00	6	0
MAR. 13...	--	--	--	--	--	--	--	--	--
JUNE 05...	--	--	--	--	--	--	--	4	200
JULY 16...	--	--	--	--	--	--	--	--	--
SEP. 19...	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
NOV. 07...	20	1	0	2	3	.2	4	0	70
MAR. 13...	30	--	--	--	--	--	--	--	--
JUNE 05...	30	2	0	1	3	.1	0	0	20
JULY 16...	20	--	--	--	--	--	--	--	--
SEP. 19...	30	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L) (80040)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	SUS-PENDED GROSS BETA AS CS-137 (PC/L) (03516)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L) (80060)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED URANIUM (U) (UG/L) (80020)
NOV. 07...	<2.2	9.4	5.8	3.9	4.9	3.1	.02	.01
MAR. 13...	--	--	--	--	--	--	--	--
JUNE 05...	--	--	--	--	--	--	--	--
JULY 16...	--	--	--	--	--	--	--	--
SEP. 19...	--	--	--	--	--	--	--	--

06777000 MIDDLE LOUP RIVER NEAR MILBURN, NEBR.

LOCATION.--Lat 41°49'02", long 99°58'15", in NE¼SW¼ sec.3, T.21 N., R.23 W., Blaine County, at Laughran bridge 9 mi (14.5 km) upstream from Rifle Creek and 15 mi (24.1 km) northwest of Milburn.

DRAINAGE AREA.--3,690 mi^2 (9,560 km^2), approximately, of which 135 mi^2 (350 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: February 1970 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT.										
16...	1005	713	--	--	--	--	--	--	--	--
30...	1135	848	--	--	--	--	--	--	--	--
NOV.										
06...	1127	899	--	--	--	--	--	--	--	--
15...	1130	839	--	--	--	--	--	--	--	--
26...	1145	948	--	--	--	--	--	--	--	--
DEC.										
11...	1030	761	--	--	--	--	--	--	--	--
17...	1335	738	--	--	--	--	--	--	--	--
JAN.										
29...	1120	1000	--	--	--	--	--	--	--	--
FEB.										
19...	1130	1030	56	24	3.5	7.5	5.8	102	0	84
MAR.										
12...	1110	952	--	--	--	--	--	--	--	--
APR.										
01...	1120	1000	--	--	--	--	--	--	--	--
MAY										
13...	1520	657	--	--	--	--	--	--	--	--
JUNE										
04...	1055	738	--	--	--	--	--	--	--	--
JULY										
03...	1130	693	--	--	--	--	--	--	--	--
09...	1130	694	53	23	3.1	6.7	5.8	101	0	83
15...	1625	697	--	--	--	--	--	--	--	--
23...	1010	645	--	--	--	--	--	--	--	--
29...	1110	611	--	--	--	--	--	--	--	--
AUG.										
07...	1040	792	--	--	--	--	--	--	--	--
15...	1140	772	--	--	--	--	--	--	--	--
22...	1035	820	--	--	--	--	--	--	--	--
29...	0925	756	--	--	--	--	--	--	--	--
SEP.										
09...	1115	776	--	--	--	--	--	--	--	--
17...	1510	777	--	--	--	--	--	--	--	--
23...	1120	808	--	--	--	--	--	--	--	--

06777000 MIDDLE LOUP RIVER NEAR MILBURN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)
OCT.									
16...	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--
NOV.									
06...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
DEC.									
11...	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--
JAN.									
29...	--	--	--	--	--	--	--	--	--
FEB.									
19...	6.3	1.7	.5	.65	.19	159	.22	442	74
MAR.									
12...	--	--	--	--	--	--	--	--	--
APR.									
01...	--	--	--	--	--	--	--	--	--
MAY									
13...	--	--	--	--	--	--	--	--	--
JUNE									
04...	--	--	--	--	--	--	--	--	--
JULY									
03...	--	--	--	--	--	--	--	--	--
09...	7.2	1.3	.3	.32	.16	152	.21	285	70
15...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--
AUG.									
07...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--
SEP.									
09...	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
16...	--	--	177	7.4	10.0	--	15	9.4	--
30...	--	--	171	7.6	10.0	--	15	10.0	--
NOV.									
06...	--	--	--	7.6	5.0	--	25	11.1	--
15...	--	--	184	7.8	8.0	--	15	10.3	--
26...	--	--	168	7.5	3.5	--	10	10.9	--
DEC.									
11...	--	--	164	7.7	2.5	--	15	11.9	--
17...	--	--	243	7.2	2.0	--	35	12.1	--
JAN.									
29...	--	--	196	7.6	3.0	--	45	11.7	--
FEB.									
19...	0	.4	190	7.9	4.0	20	25	11.2	20
MAR.									
12...	--	--	165	7.7	3.5	--	15	10.6	--
APR.									
01...	--	--	160	7.6	10.0	--	60	9.6	--
MAY									
13...	--	--	177	7.6	19.0	--	20	8.4	--
JUNE									
04...	--	--	175	7.8	20.5	--	30	7.8	--
JULY									
03...	--	--	181	7.7	23.0	--	15	7.2	--
09...	0	.3	178	8.0	27.0	5	15	7.6	30
15...	--	--	179	7.8	25.0	--	10	17.6	--
23...	--	--	186	7.6	23.5	--	20	7.3	--
29...	--	--	182	7.7	21.0	--	15	7.9	--
AUG.									
07...	--	--	178	7.7	19.0	--	15	8.3	--
15...	--	--	186	7.7	19.5	--	20	7.8	--
22...	--	--	176	7.5	17.0	--	25	7.9	--
29...	--	--	184	7.6	11.0	--	15	8.5	--
SEP.									
09...	--	--	201	7.6	19.0	--	15	8.1	--
17...	--	--	176	7.7	22.0	--	10	8.5	--
23...	--	--	166	7.5	16.0	--	10	9.1	--

06778500 MIDDLE LOUP RIVER NEAR COMSTOCK, NEBR.

LOCATION.--Lat 41°28'49", long 99°12'43", in NE¼NE¼NE¼ sec.1, T.17 N., R.17 W., Custer County, at bridge on Custer-Valley County line 0.3 mi (0.5 km) downstream from diversions for canals 3 and 4, 1.3 mi (2.1 km), south of Burlington Northern Inc. crossing, and 5.5 mi (8.8 km) southeast of Comstock.

DRAINAGE AREA.--4,650 mi^2 (12,000 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: August 1969 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT.										
16...	1415	881	--	--	--	--	--	--	--	--
25...	1355	1020	--	--	--	--	--	--	--	--
30...	1615	942	--	--	--	--	--	--	--	--
NOV.										
09...	1425	1160	--	--	--	--	--	--	--	--
16...	1505	917	--	--	--	--	--	--	--	--
29...	--	1250	--	--	--	--	--	--	--	--
DEC.										
11...	1423	954	--	--	--	--	--	--	--	--
21...	1315	318	--	--	--	--	--	--	--	--
JAN.										
11...	1520	768	--	--	--	--	--	--	--	--
FEB.										
25...	1100	903	58	29	4.6	8.6	6.3	122	0	100
MAR.										
26...	1153	1070	--	--	--	--	--	--	--	--
APR.										
15...	1000	798	--	--	--	--	--	--	--	--
MAY										
23...	1535	738	--	--	--	--	--	--	--	--
JUNE										
13...	1535	644	--	--	--	--	--	--	--	--
JULY										
03...	1450	76	--	--	--	--	--	--	--	--
09...	1505	20	57	37	4.6	7.8	7.6	156	2	131
19...	0950	7.7	--	--	--	--	--	--	--	--
23...	1335	6.0	--	--	--	--	--	--	--	--
29...	1430	24	--	--	--	--	--	--	--	--
AUG.										
09...	1115	83	--	--	--	--	--	--	--	--
15...	1530	74	--	--	--	--	--	--	--	--
22...	1425	164	--	--	--	--	--	--	--	--
29...	1512	68	--	--	--	--	--	--	--	--
SEP.										
09...	1430	126	--	--	--	--	--	--	--	--
20...	1020	370	--	--	--	--	--	--	--	--
23...	1500	327	--	--	--	--	--	--	--	--

06778500 MIDDLE LOUP RIVER NEAR COMSTOCK, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)
OCT.									
16...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--
NOV.									
09...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--
DEC.									
11...	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--
JAN.									
11...	--	--	--	--	--	--	--	--	--
FEB.									
25...	6.0	1.4	.4	.62	.21	177	.24	432	91
MAR.									
26...	--	--	--	--	--	--	--	--	--
APR.									
15...	--	--	--	--	--	--	--	--	--
MAY									
23...	--	--	--	--	--	--	--	--	--
JUNE									
13...	--	--	--	--	--	--	--	--	--
JULY									
03...	--	--	--	--	--	--	--	--	--
09...	10	1.8	.3	.00	.09	205	.28	11.1	110
19...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--
AUG.									
09...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--
SEP.									
09...	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
16...	--	--	200	7.7	12.0	--	10	9.5	--
25...	--	--	197	7.8	13.0	--	35	9.0	--
30...	--	--	185	7.6	10.5	--	20	10.1	--
NOV.									
09...	--	--	202	7.4	6.0	--	45	12.1	--
16...	--	--	201	7.6	7.0	--	30	10.8	--
29...	--	--	206	7.3	3.0	--	60	11.5	--
DEC.									
11...	--	--	187	7.8	2.0	--	35	11.9	--
21...	--	--	209	7.3	1.5	--	10	12.1	--
JAN.									
11...	--	--	207	7.4	.5	--	7	10.6	--
FEB.									
25...	0	.4	224	8.0	.0	30	30	12.8	30
MAR.									
26...	--	--	253	7.6	7.0	--	30	11.3	--
APR.									
15...	--	--	188	7.5	10.0	--	25	10.8	--
MAY									
23...	--	--	196	7.6	23.5	--	80	8.3	--
JUNE									
13...	--	--	193	7.8	26.5	--	20	7.5	--
JULY									
03...	--	--	214	7.6	29.0	--	10	7.3	--
09...	0	.2	265	8.9	26.5	6	--	7.6	40
19...	--	--	309	7.7	25.0	--	5	7.6	--
23...	--	--	308	8.2	26.0	--	5	7.3	--
29...	--	--	227	8.6	29.5	--	10	7.5	--
AUG.									
09...	--	--	208	7.7	22.5	--	10	8.3	--
15...	--	--	202	8.1	23.0	--	10	8.4	--
22...	--	--	200	7.9	21.5	--	15	8.3	--
29...	--	--	--	7.0	16.0	--	15	8.7	--
SEP.									
09...	--	--	200	8.0	23.0	--	15	8.1	--
20...	--	--	--	7.7	16.0	--	15	8.1	--
23...	--	--	190	8.0	15.0	--	10	8.1	--

06783000 MUD CREEK NEAR BROKEN BOW, NEBR.

LOCATION.--Lat 41°22'30", long 99°35'10", in NW¼SW¼NW¼ sec.11, T.16 N., R.20 W., Custer County, at bridge on State Highway 2, about 3 mi (4.8 km) southeast of Broken Bow.

PERIOD OF RECORD.--Chemical analyses: April 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT.										
25...	1050	2.9	--	--	--	--	--	--	--	--
NOV.										
15...	1455	1.4	51	70	100	74	12	61	19	328
DEC.										
11...	1250	2.2	--	--	--	--	--	--	--	--
JAN.										
10...	1620	1.1	--	--	--	--	--	--	--	--
FEB.										
20...	1230	2.1	47	80	460	84	15	50	17	396
MAR.										
13...	1355	1.5	--	--	--	--	--	--	--	--
APR.										
02...	1320	1.8	--	--	--	--	--	--	--	--
MAY										
14...	1310	1.6	48	150	320	99	17	42	19	390
JUNE										
05...	1300	2.4	--	--	--	--	--	--	--	--
JULY										
16...	1450	2.9	--	--	--	--	--	--	--	--
AUG.										
07...	1340	2.2	--	--	--	--	--	--	--	--
SEP.										
19...	1250	1.1	--	--	--	--	--	--	--	--

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT.										
25...	--	--	--	--	--	--	.13	1.6	2.1	3.7
NOV.										
15...	0	269	32	59	.4	--	.77	1.1	2.5	3.6
DEC.										
11...	--	--	--	59	--	--	.92	2.6	1.2	3.8
JAN.										
10...	--	--	--	60	--	.21	.25	3.0	4.6	7.6
FEB.										
20...	0	325	29	37	.5	.37	.37	6.1	.50	6.6
MAR.										
13...	--	--	--	69	--	.40	.40	12	.80	12
APR.										
02...	--	--	--	67	--	.10	.23	6.6	3.2	9.8
MAY										
14...	--	320	45	37	.6	1.5	1.5	.86	1.6	2.5
JUNE										
05...	--	--	--	29	--	.94	.81	.35	2.9	3.2
JULY										
16...	--	--	--	17	--	1.6	1.1	.08	1.5	1.6
AUG.										
07...	--	--	--	--	--	--	--	--	--	--
SEP.										
19...	--	--	--	30	--	1.7	1.6	.07	1.9	2.0

06783000 MUD CREEK NEAR BROKEN BOW, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)
OCT. 25...	--	3.0	2.8	514	--	.70	4.02	--	--	--
NOV. 15...	--	2.8	2.5	--	474	.64	1.79	230	0	1.7
DEC. 11...	--	2.8	2.6	499	--	.68	2.96	--	--	--
JAN. 10...	7.6	12	4.9	521	--	.71	1.55	--	--	--
FEB. 20...	7.0	3.6	2.7	--	477	.65	2.70	270	0	1.3
MAR. 13...	12	3.9	3.8	480	--	.65	1.94	--	--	--
APR. 02...	10	4.3	3.9	529	--	.72	2.57	--	--	--
MAY 14...	4.0	1.6	1.3	--	507	.69	2.19	320	0	1.6
JUNE 05...	4.1	--	1.2	409	--	.56	2.65	--	--	--
JULY 16...	3.2	.66	.66	342	--	.47	2.08	--	--	--
AUG. 07...	--	--	--	--	--	--	--	--	--	--
SEP. 19...	3.7	1.4	1.1	406	--	.55	1.21	--	--	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)
OCT. 25...	926	7.4	11.5	--	20	4.9	13	230	570	--
NOV. 15...	762	7.6	8.0	20	15	8.8	>5.0	33	190	--
DEC. 11...	834	7.6	4.0	--	--	9.5	2.8	430	80	--
JAN. 10...	867	7.3	.5	--	15	4.5	--	14000	7400	--
FEB. 20...	825	7.2	5.5	50	15	4.3	--	1600	2200	1
MAR. 13...	832	7.6	6.5	--	20	6.5	12	100	610	--
APR. 02...	866	7.6	13.5	--	10	8.2	12	33	16	--
MAY 14...	807	7.8	16.0	40	25	7.3	16	1300	600	--
JUNE 05...	643	8.1	24.0	--	20	6.8	14	1600	920	--
JULY 16...	537	--	--	--	35	--	16	9300	4200	--
AUG. 07...	--	7.8	25.0	--	20	7.2	8.1	2900	430	--
SEP. 19...	830	7.5	19.0	--	30	6.4	7.0	1200	490	--

DATE	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 25...	--	--	--	--	--	--	--	--	--	--
NOV. 15...	250	--	--	--	--	--	--	--	--	--
DEC. 11...	--	--	--	--	--	--	--	--	--	--
JAN. 10...	--	--	--	--	--	--	--	--	--	--
FEB. 20...	150	0	0	20	0	.3	.3	1	0	60
MAR. 13...	--	--	--	--	--	--	--	--	--	--
APR. 02...	--	--	--	--	--	--	--	--	--	--
MAY 14...	170	--	--	--	--	--	--	--	--	--
JUNE 05...	--	--	--	--	--	--	--	--	--	--
JULY 16...	--	--	--	--	--	--	--	--	--	--
AUG. 07...	--	--	--	--	--	--	--	--	--	--
SEP. 19...	--	--	--	--	--	--	--	--	--	--

06784000 SOUTH LOUP RIVER AT ST. MICHAEL, NEBR.

LOCATION.--Lat 41°01'53", long 98°44'25", in NE¼NE¼ sec.11, T.12 N., R.13 W., Buffalo County, at gaging station at county highway bridge, 0.6 mi (1.0 km) northeast of St. Michael, and 3.4 mi (5.5 km) upstream from Sweet Creek.

DRAINAGE AREA.--2,350 mi^2 (6,090 km^2), approximately, of which about 1,610 mi^2 (4,170 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1974 to September 1974.
Water temperatures: October 1952 to June 1953.
Sediment records: June 1946 to June 1953.

EXTREMES.--Period of record:
Water temperatures: Maximum, 33.5°C June 13, 14, 1953; minimum, freezing point on many days during November to February.
Sediment concentrations: Maximum daily, 19,300 mg/l June 19, 1946; minimum daily, 13 mg/l Dec. 30, 31, 1951.
Sediment discharge: Maximum daily, 672,000 tons June 22, 1947; minimum daily, 6 tons Dec. 30, 31, 1951.

WATER QUALITY DATA, JULY 1974 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
JULY										
16...	1440	59	--	--	--	--	--	--	--	--
24...	1430	49	56	56	9.1	14	10	225	0	185
31...	1145	63	--	--	--	--	--	--	--	--
AUG.										
06...	1345	91	--	--	--	--	--	--	--	--
12...	1500	94	--	--	--	--	--	--	--	--
23...	1350	79	--	--	--	--	--	--	--	--
28...	1325	70	--	--	--	--	--	--	--	--
SEP.										
05...	1540	96	--	--	--	--	--	--	--	--
12...	1245	98	--	--	--	--	--	--	--	--
16...	1530	109	--	--	--	--	--	--	--	--
25...	1200	118	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA+MG) (MG/L) (00900)
JULY									
16...	--	--	--	--	--	--	--	--	--
24...	21	4.3	.3	.10	.12	282	.38	37.3	180
31...	--	--	--	--	--	--	--	--	--
AUG.									
06...	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
SEP.									
05...	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
JULY									
16...	--	--	404	--	31.0	--	30	7.2	--
24...	0	.5	369	8.5	30.0	20	25	7.4	70
31...	--	--	324	8.0	--	--	30	8.8	--
AUG.									
06...	--	--	312	8.6	23.0	--	40	9.3	--
12...	--	--	338	8.3	29.0	--	50	8.5	--
23...	--	--	360	8.0	26.0	--	55	9.6	--
28...	--	--	343	8.2	23.5	--	40	8.4	--
SEP.									
05...	--	--	375	8.5	21.5	--	60	10.9	--
12...	--	--	--	7.9	13.0	--	55	10.7	--
16...	--	--	331	8.2	24.0	--	60	10.4	--
25...	--	--	343	8.2	17.0	--	45	11.1	--

06785000 MIDDLE LOUP RIVER AT ST. PAUL, NEBR.

LOCATION.--Lat 41°11'55", long 98°26'50", in NE¼SW¼NE¼ sec.10, T.14 N., R.10 W., Howard County, at gaging station 450 ft (137 m) upstream from bridge on U.S. Highway 281 and 6 mi (9.7 km) upstream from confluence with North Loup River.

DRAINAGE AREA.--8,090 mi^2 (21,000 km^2), approximately, of which about 3,130 mi^2 (8,110 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT.										
04...	1035	956	--	--	--	--	--	--	--	--
16...	1240	1390	--	--	--	--	--	--	--	--
26...	1045	1290	--	--	--	--	--	--	--	--
NOV.										
01...	1055	1430	--	--	--	--	--	--	--	--
07...	1405	989	--	--	--	--	--	--	--	--
15...	1330	1300	--	--	--	--	--	--	--	--
28...	1440	1710	--	--	--	--	--	--	--	--
DEC.										
04...	1030	1750	--	--	--	--	--	--	--	--
12...	1225	1340	--	--	--	--	--	--	--	--
26...	1355	1040	--	--	--	--	--	--	--	--
JAN.										
14...	1625	1120	--	--	--	--	--	--	--	--
FEB.										
07...	1400	1540	52	45	7.7	11	7.4	194	0	159
MAR.										
19...	1145	1190	--	--	--	--	--	--	--	--
APR.										
17...	1120	1240	--	--	--	--	--	--	--	--
MAY										
15...	1540	546	--	--	--	--	--	--	--	--
JUNE										
26...	1135	407	--	--	--	--	--	--	--	--
JULY										
03...	1125	272	--	--	--	--	--	--	--	--
15...	1040	158	--	--	--	--	--	--	--	--
24...	1155	117	--	--	--	--	--	--	--	--
30...	1100	198	--	--	--	--	--	--	--	--
AUG.										
09...	1150	202	--	--	--	--	--	--	--	--
14...	1450	191	--	--	--	--	--	--	--	--
23...	1500	270	--	--	--	--	--	--	--	--
28...	1635	189	--	--	--	--	--	--	--	--
SEP.										
05...	1335	266	--	--	--	--	--	--	--	--
18...	1505	385	--	--	--	--	--	--	--	--
25...	1055	495	--	--	--	--	--	--	--	--

06785000 MIDDLE LOUP RIVER AT ST. PAUL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)
OCT.									
04...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
NOV.									
01...	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
DEC.									
04...	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
JAN.									
14...	--	--	--	--	--	--	--	--	--
FEB.									
07...	14	3.8	.3	1.1	.19	242	.33	1010	140
MAR.									
19...	--	--	--	--	--	--	--	--	--
APR.									
17...	--	--	--	--	--	--	--	--	--
MAY									
15...	--	--	--	--	--	--	--	--	--
JUNE									
26...	--	--	--	--	--	--	--	--	--
JULY									
03...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--
AUG.									
09...	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
SEP.									
05...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
04...	--	--	317	7.9	13.0	--	55	9.1	--
16...	--	--	336	7.9	13.0	--	35	9.6	--
26...	--	--	287	8.0	10.5	--	45	9.6	--
NOV.									
01...	--	--	296	7.9	7.5	--	65	10.2	--
07...	--	--	285	7.7	5.0	--	40	11.3	--
15...	--	--	289	7.9	10.0	--	45	10.2	--
28...	--	--	285	7.9	3.0	--	65	12.0	--
DEC.									
04...	--	--	338	7.4	.5	--	40	12.4	--
12...	--	--	275	7.6	1.0	--	60	12.0	--
26...	--	--	325	7.4	6.0	--	20	11.9	--
JAN.									
14...	--	--	421	7.2	.0	--	10	8.7	--
FEB.									
07...	0	.4	308	7.6	1.0	20	15	--	40
MAR.									
19...	--	--	297	7.9	5.5	--	30	11.2	--
APR.									
17...	--	--	288	7.8	12.0	--	45	9.9	--
MAY									
15...	--	--	339	7.8	20.5	--	65	8.7	--
JUNE									
26...	--	--	337	8.3	24.0	--	35	7.9	--
JULY									
03...	--	--	376	8.0	25.0	--	45	7.4	--
15...	--	--	373	8.5	24.5	--	60	7.8	--
24...	--	--	367	8.4	24.0	--	40	7.7	--
30...	--	--	330	7.7	24.0	--	45	8.1	--
AUG.									
09...	--	--	363	8.0	20.0	--	30	8.0	--
14...	--	--	351	8.3	26.5	--	35	7.9	--
23...	--	--	368	8.1	26.0	--	40	8.3	--
28...	--	--	362	8.1	26.0	--	30	7.4	--
SEP.									
05...	--	--	470	8.1	18.0	--	40	9.0	--
18...	--	--	287	8.1	26.5	--	30	8.7	--
25...	--	--	426	7.6	15.0	--	30	9.5	--

06786000 NORTH LOUP RIVER AT TAYLOR, NEBR.

LOCATION.--Lat 41°46'37", long 99°22'45", in NE¼SE¼ sec.22, T.21 N., R.18 W., Loup County, at gaging station at bridge on U.S. Highway 183 and 0.4 mi (0.6 km) north of Taylor.

DRAINAGE AREA.--2,280 mi^2 (5,910 km^2), approximately, of which about 180 mi^2 (470 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1974 to September 1974.
Water temperatures: July 1974 to September 1974.

WATER QUALITY DATA, JULY 1974 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
JULY										
22...	1120	98	60	40	0	26	3.7	7.1	6.9	118
AUG.										
07...	1450	140	58	10	0	25	3.5	7.0	6.1	107
SEP.										
16...	1140	369	57	50	0	25	3.4	6.2	5.0	97

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
JULY									
22...	0	97	6.4	.6	.4	.02	.09	169	.23
AUG.									
07...	0	88	5.5	.8	.4	.16	.11	160	.22
SEP.									
16...	0	80	4.6	1.1	.3	.31	.16	152	.21

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED BORON (B) (UG/L) (01020)
JULY									
22...	44.7	80	0	.3	197	7.8	27.0	7	30
AUG.									
07...	60.5	77	0	.3	184	7.5	23.0	3	30
SEP.									
16...	151	76	0	.3	168	7.4	19.0	5	40

06786000 NORTH LOUP RIVER AT TAYLOR, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), JULY 1974 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	195	166
2	---	---	---	---	---	---	---	---	---	---	194	173
3	---	---	---	---	---	---	---	---	---	---	190	182
4	---	---	---	---	---	---	---	---	---	---	194	167
5	---	---	---	---	---	---	---	---	---	---	186	172
6	---	---	---	---	---	---	---	---	---	---	186	171
7	---	---	---	---	---	---	---	---	---	---	187	176
8	---	---	---	---	---	---	---	---	---	---	187	180
9	---	---	---	---	---	---	---	---	---	---	159	168
10	---	---	---	---	---	---	---	---	---	---	141	175
11	---	---	---	---	---	---	---	---	---	---	198	170
12	---	---	---	---	---	---	---	---	---	---	168	168
13	---	---	---	---	---	---	---	---	---	---	167	170
14	---	---	---	---	---	---	---	---	---	---	175	174
15	---	---	---	---	---	---	---	---	---	---	174	167
16	---	---	---	---	---	---	---	---	---	---	166	170
17	---	---	---	---	---	---	---	---	---	---	156	166
18	---	---	---	---	---	---	---	---	---	---	171	164
19	---	---	---	---	---	---	---	---	---	---	169	172
20	---	---	---	---	---	---	---	---	---	---	166	173
21	---	---	---	---	---	---	---	---	---	---	170	169
22	---	---	---	---	---	---	---	---	---	---	170	167
23	---	---	---	---	---	---	---	---	---	---	179	167
24	---	---	---	---	---	---	---	---	---	---	172	172
25	---	---	---	---	---	---	---	---	---	---	172	166
26	---	---	---	---	---	---	---	---	---	---	173	168
27	---	---	---	---	---	---	---	---	---	---	176	172
28	---	---	---	---	---	---	---	---	---	---	174	171
29	---	---	---	---	---	---	---	---	---	194	168	167
30	---	---	---	---	---	---	---	---	---	195	165	170
31	---	---	---	---	---	---	---	---	---	195	167	---
MONTH	---	---	---	---	---	---	---	---	---	---	175	170

TEMPERATURE (DEG. C) OF WATER, JULY 1974 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	20.0	14.0
2	---	---	---	---	---	---	---	---	---	---	18.0	15.0
3	---	---	---	---	---	---	---	---	---	---	26.0	25.0
4	---	---	---	---	---	---	---	---	---	---	15.0	13.0
5	---	---	---	---	---	---	---	---	---	---	15.0	13.0
6	---	---	---	---	---	---	---	---	---	---	16.0	15.0
7	---	---	---	---	---	---	---	---	---	---	17.0	15.0
8	---	---	---	---	---	---	---	---	---	---	16.0	16.5
9	---	---	---	---	---	---	---	---	---	---	20.0	17.5
10	---	---	---	---	---	---	---	---	---	---	16.0	17.0
11	---	---	---	---	---	---	---	---	---	---	20.0	17.5
12	---	---	---	---	---	---	---	---	---	---	20.0	10.0
13	---	---	---	---	---	---	---	---	---	---	17.0	8.0
14	---	---	---	---	---	---	---	---	---	---	20.0	11.5
15	---	---	---	---	---	---	---	---	---	---	17.0	11.5
16	---	---	---	---	---	---	---	---	---	---	20.0	13.5
17	---	---	---	---	---	---	---	---	---	---	25.0	15.5
18	---	---	---	---	---	---	---	---	---	---	20.0	22.0
19	---	---	---	---	---	---	---	---	---	---	25.0	14.0
20	---	---	---	---	---	---	---	---	---	---	20.0	15.5
21	---	---	---	---	---	---	---	---	---	---	23.0	9.5
22	---	---	---	---	---	---	---	---	---	---	20.0	12.5
23	---	---	---	---	---	---	---	---	---	---	25.0	13.5
24	---	---	---	---	---	---	---	---	---	---	20.0	12.5
25	---	---	---	---	---	---	---	---	---	---	20.0	20.5
26	---	---	---	---	---	---	---	---	---	---	19.0	12.0
27	---	---	---	---	---	---	---	---	---	---	20.0	12.0
28	---	---	---	---	---	---	---	---	---	---	20.0	16.5
29	---	---	---	---	---	---	---	---	---	29.0	22.0	15.0
30	---	---	---	---	---	---	---	---	---	25.0	15.0	15.0
31	---	---	---	---	---	---	---	---	---	24.0	15.0	---
MONTH	---	---	---	---	---	---	---	---	---	---	19.5	14.5

06787500 CALAMUS RIVER NEAR BURWELL, NEBR.

LOCATION.--Lat 41°48'35", long 99°10'56", in NW¼NW¼ sec.9, T.21 N., R.16 W., Garfield County, at gaging station at bridge 1.5 mi (2.4 km) upstream from mouth and 3 mi (4.8 km) northwest of Burwell.

DRAINAGE AREA.--1,060 mi^2 (2,750 km^2), approximately, of which about 110 mi^2 (280 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1971 to September 1974.
Water temperatures: October 1971 to September 1974.

EXTREMES.--1973-74:
Specific conductance: Maximum daily, 206 micromhos June 10; minimum daily, 115 micromhos Nov. 18.
Water temperatures: Maximum, 27.0°C June 29, 30; minimum, 0.5°C on several days during December to January.

Period of record:
Specific conductance: Maximum daily, 221 micromhos May 17, 1972; minimum daily, 115 micromhos Nov. 18, 1973.
Water temperatures: Maximum, 32.0°C June 30, 1973; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT. 31...	1315	306	--	--	--	--	--	--	--	--
NOV. 14...	1010	294	51	18	2.8	5.8	5.4	81	0	66
DEC. 13...	1005	302	--	--	--	--	--	--	--	--
JAN. 21...	1315	355	49	18	2.6	5.8	5.6	78	0	64
FEB. 04...	1255	328	--	--	--	--	--	--	--	--
MAR. 22...	0930	308	48	18	2.8	5.6	4.7	79	0	65
APR. 01...	1445	298	46	18	2.7	6.1	5.0	80	0	66
MAY 13...	1105	302	48	18	2.8	5.7	5.0	83	0	68
JUNE 10...	1455	451	39	19	2.4	5.2	4.0	74	0	61
JULY 06...	1145	256	51	19	2.5	5.7	4.4	85	0	70
AUG. 07...	1150	263	50	19	3.0	6.1	4.5	82	0	67
SEP. 16...	--	--	51	18	1.3	9.5	5.2	81	0	66
16...	0950	276	--	--	--	--	--	--	--	--

06787500 CALAMUS RIVER NEAR BURWELL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)
OCT.									
31...	--	--	--	--	--	--	--	--	--
NOV.									
14...	6.1	1.2	.2	.51	.17	133	.18	106	56
DEC.									
13...	--	--	--	--	--	--	--	--	--
JAN.									
21...	5.6	2.3	.2	.62	.19	130	.18	125	56
FEB.									
04...	--	--	--	--	--	--	--	--	--
MAR.									
22...	4.8	.3	.9	.74	.29	127	.17	106	56
APR.									
01...	3.8	.9	.3	.48	.15	124	.17	99.8	56
MAY									
13...	3.1	.7	.3	.33	.17	126	.17	103	56
JUNE									
10...	5.2	1.6	.3	.28	.13	114	.16	139	57
JULY									
08...	5.4	1.8	.2	.33	.13	133	.18	91.9	58
AUG.									
07...	4.7	.8	.2	.23	.13	130	.18	92.3	60
SEP.									
16...	4.6	1.0	.2	.31	.16	132	.18	98.4	50
16...	--	--	--	--	--	--	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
31...	--	--	--	7.6	9.0	--	8	10.1	--
NOV.									
14...	0	.3	140	8.0	6.0	6	5	10.0	10
DEC.									
13...	--	--	--	7.4	.5	--	10	12.0	--
JAN.									
21...	0	.3	145	7.4	2.5	30	15	11.2	20
FEB.									
04...	--	--	--	7.0	4.0	--	15	11.9	--
MAR.									
22...	0	.3	144	7.7	3.5	20	15	6.2	20
APR.									
01...	0	.4	143	8.0	14.0	5	10	9.6	20
MAY									
13...	0	.3	145	7.4	17.0	20	15	8.6	20
JUNE									
10...	0	.3	130	7.6	21.5	30	25	8.2	20
JULY									
08...	0	.3	147	7.7	18.5	8	20	7.9	20
AUG.									
07...	0	.3	142	7.8	19.0	3	20	8.2	30
SEP.									
16...	0	.6	143	7.4	--	4	--	--	10
16...	--	--	--	7.4	15.5	--	8	8.8	--

06787500 CALAMUS RIVER NEAR BURWELL, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	135	146	136	141	144	138	161	142	150	150	168
2	130	136	147	131	140	144	138	147	142	142	141	142
3	136	137	145	130	141	145	139	146	142	139	141	146
4	132	131	143	132	150	144	154	147	143	151	141	144
5	130	132	143	132	148	144	137	153	140	146	141	142
6	126	132	144	133	143	144	141	150	144	140	141	144
7	129	132	144	125	149	163	136	142	142	140	141	144
8	132	134	153	126	151	147	138	143	132	141	141	148
9	129	133	143	133	140	145	145	144	132	140	140	151
10	126	134	142	129	140	143	142	146	206	140	140	146
11	126	132	143	126	138	144	149	147	134	140	143	147
12	124	136	157	129	139	144	142	152	139	140	141	141
13	128	136	147	125	141	142	140	152	142	140	140	142
14	129	136	134	143	143	142	143	146	152	141	142	143
15	132	135	132	144	144	141	153	146	143	140	142	144
16	128	133	132	144	142	144	144	149	149	140	136	146
17	128	133	154	146	143	144	141	145	149	141	136	142
18	128	115	161	144	143	144	141	145	147	141	136	145
19	128	136	153	144	144	147	142	145	147	140	137	166
20	128	136	157	146	144	142	153	145	145	139	139	143
21	140	137	134	153	144	151	144	145	145	139	140	140
22	126	135	132	152	141	142	144	145	145	140	147	141
23	126	134	133	154	142	147	146	144	143	140	147	139
24	128	135	132	155	146	147	144	144	145	138	142	140
25	128	135	132	152	145	160	140	144	145	137	140	144
26	126	137	165	148	144	165	141	144	151	138	141	140
27	130	135	131	144	136	149	142	143	143	137	147	142
28	126	136	132	143	147	145	140	143	148	138	146	140
29	128	140	133	144	---	144	144	143	150	135	140	140
30	128	138	133	146	---	144	142	143	142	144	146	144
31	126	---	134	148	---	144	---	143	---	139	154	---
MONTH	129	134	142	140	143	146	143	146	146	141	142	145

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.0	6.0	4.0	1.0	3.5	6.5	7.5	14.0	18.5	24.5	25.5	19.5
2	13.5	5.5	3.5	1.0	3.0	7.5	4.5	13.0	17.5	25.0	26.5	18.0
3	11.5	7.5	4.0	0.5	3.0	7.5	3.5	14.0	19.5	26.5	24.5	18.0
4	10.5	5.0	3.0	0.5	2.5	11.5	3.0	13.5	17.5	23.5	23.5	13.5
5	12.5	7.0	2.0	0.5	2.5	12.5	7.0	14.0	21.0	23.5	22.5	14.0
6	14.0	6.0	2.5	0.5	2.0	7.5	7.5	13.5	18.0	24.5	24.0	15.0
7	10.5	6.5	3.0	0.5	2.0	9.5	5.5	14.5	17.5	23.5	24.5	13.5
8	12.5	6.5	2.0	0.5	2.5	8.5	12.5	16.5	17.0	24.0	23.5	14.5
9	11.5	5.5	2.5	1.0	2.5	8.5	7.5	15.5	16.5	23.0	23.5	14.5
10	12.5	7.5	2.0	0.5	3.5	7.5	7.0	14.5	15.5	24.0	23.0	13.5
11	11.5	7.5	3.5	1.0	2.5	9.5	8.0	14.0	19.0	22.5	22.5	14.0
12	12.0	6.5	2.0	0.5	3.0	12.0	8.5	15.5	14.5	25.0	22.5	14.5
13	10.5	6.0	1.5	1.0	3.0	10.5	7.0	15.0	18.5	23.5	23.0	10.0
14	11.5	8.5	2.0	1.0	4.5	8.5	7.5	16.5	20.5	23.0	22.5	12.5
15	10.5	6.5	1.5	1.5	6.0	7.5	8.0	16.0	19.5	24.5	22.0	13.0
16	11.0	5.5	2.0	1.0	6.5	7.5	8.5	15.5	22.5	24.5	22.0	14.0
17	10.0	5.0	2.0	1.0	4.0	6.5	8.5	15.5	23.5	26.0	20.5	14.5
18	11.0	7.5	2.5	1.5	5.0	6.0	9.5	16.0	22.0	23.5	20.5	15.0
19	12.0	7.0	2.0	1.0	4.5	7.5	10.5	17.0	22.5	25.5	22.0	14.5
20	12.0	6.0	2.0	2.0	6.0	6.0	12.5	17.5	24.0	23.0	21.5	13.5
21	15.5	5.5	1.5	1.5	4.5	5.5	9.5	17.0	22.5	24.5	21.0	13.0
22	12.5	3.5	2.5	1.0	3.0	5.5	8.5	16.5	24.5	22.5	21.0	12.5
23	12.5	3.5	2.0	1.0	3.0	4.0	9.5	16.0	25.5	23.5	21.5	13.0
24	12.5	5.5	2.5	1.5	6.5	2.0	9.5	16.5	26.5	22.5	20.5	12.5
25	12.0	5.0	4.5	2.5	8.5	3.5	10.5	17.0	25.5	24.5	23.5	12.0
26	11.5	4.0	2.5	2.5	6.0	7.0	9.5	18.0	26.5	24.0	21.0	13.0
27	14.5	4.5	1.5	2.5	7.0	7.5	10.0	19.5	26.0	22.5	21.5	12.0
28	13.5	6.0	1.5	3.0	7.5	9.5	11.0	18.0	26.5	22.5	20.5	11.5
29	7.5	6.0	1.0	3.5	---	8.5	11.5	18.5	27.0	23.5	22.0	12.5
30	8.0	7.0	1.0	3.5	---	7.0	12.5	18.5	27.0	24.5	21.0	11.0
31	8.5	---	0.5	2.0	---	8.5	---	18.5	---	21.5	20.5	---
MONTH	11.5	6.0	2.5	1.5	4.0	7.5	8.5	16.0	21.5	24.0	22.5	14.0

06790500 NORTH LOUP RIVER NEAR ST. PAUL, NEBR.

LOCATION.--Lat 41°15'35", long 98°26'50", in NW¼NW¼NE¼ sec.22, T.15 N., R.10 W., Howard County, at gaging station at bridge on U.S. Highway 281, 3 mi (5 km) north of St. Paul, and 4 mi (6 km) upstream from confluence with Middle Loup River.

DRAINAGE AREA.--4,290 mi^2 (11,100 km^2), approximately, of which about 1,240 mi^2 (3,210 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1974 to September 1974.
Water temperatures: April 1948 to November 1948, July 1974 to September 1974.
Sediment records: April 1946 to June 1953.

EXTREMES.--Period of record:
Sediment concentrations: Maximum daily, 17,400 mg/l April 27, 1951; minimum daily, not determined.
Sediment discharge: Maximum daily, 463,000 tons June 22, 1947; minimum daily, 20 tons Aug. 3, 1946, Feb. 22, 1953.

WATER QUALITY DATA, JULY 1974 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
JULY										
15...	1320	195	56	50	0	38	6.2	11	8.4	159
AUG.										
09...	1420	360	50	60	0	35	5.4	9.0	6.9	155
SEP.										
05...	1310	743	53	60	0	29	4.2	7.4	6.3	127

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
JULY									
15...	0	130	9.9	2.5	.3	.02	.04	211	.29
AUG.									
09...	0	127	16	2.3	.3	.00	.06	195	.27
SEP.									
05...	0	104	6.7	1.1	.3	.25	.14	172	.23

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED BORON (B) (UG/L) (01020)
JULY									
15...	111	120	0	.4	269	8.3	27.0	7	40
AUG.									
09...	200	110	0	.4	264	8.1	21.5	7	30
SEP.									
05...	345	90	0	.3	220	7.8	16.0	7	30

06790500 NORTH LOUP RIVER NEAR ST. PAUL, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), JULY 1974 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	270	226
2	---	---	---	---	---	---	---	---	---	---	262	226
3	---	---	---	---	---	---	---	---	---	---	268	225
4	---	---	---	---	---	---	---	---	---	---	285	217
5	---	---	---	---	---	---	---	---	---	---	284	220
6	---	---	---	---	---	---	---	---	---	---	280	225
7	---	---	---	---	---	---	---	---	---	---	276	226
8	---	---	---	---	---	---	---	---	---	---	277	227
9	---	---	---	---	---	---	---	---	---	---	263	223
10	---	---	---	---	---	---	---	---	---	---	261	226
11	---	---	---	---	---	---	---	---	---	---	236	223
12	---	---	---	---	---	---	---	---	---	---	225	220
13	---	---	---	---	---	---	---	---	---	---	220	214
14	---	---	---	---	---	---	---	---	---	---	232	223
15	---	---	---	---	---	---	---	---	---	---	235	220
16	---	---	---	---	---	---	---	---	---	285	240	224
17	---	---	---	---	---	---	---	---	---	293	240	215
18	---	---	---	---	---	---	---	---	---	305	224	215
19	---	---	---	---	---	---	---	---	---	307	232	218
20	---	---	---	---	---	---	---	---	---	308	214	220
21	---	---	---	---	---	---	---	---	---	310	209	218
22	---	---	---	---	---	---	---	---	---	305	216	217
23	---	---	---	---	---	---	---	---	---	306	221	217
24	---	---	---	---	---	---	---	---	---	310	225	218
25	---	---	---	---	---	---	---	---	---	295	219	217
26	---	---	---	---	---	---	---	---	---	292	225	216
27	---	---	---	---	---	---	---	---	---	276	227	216
28	---	---	---	---	---	---	---	---	---	274	229	219
29	---	---	---	---	---	---	---	---	---	279	228	218
30	---	---	---	---	---	---	---	---	---	295	231	218
31	---	---	---	---	---	---	---	---	---	297	231	---
MONTH	---	---	---	---	---	---	---	---	---	---	241	220

TEMPERATURE (DEG. C) OF WATER, JULY 1974 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	19.0	16.0
2	---	---	---	---	---	---	---	---	---	---	19.0	13.0
3	---	---	---	---	---	---	---	---	---	---	15.0	11.0
4	---	---	---	---	---	---	---	---	---	---	15.0	13.0
5	---	---	---	---	---	---	---	---	---	---	17.0	14.0
6	---	---	---	---	---	---	---	---	---	---	16.0	14.0
7	---	---	---	---	---	---	---	---	---	---	18.0	16.0
8	---	---	---	---	---	---	---	---	---	---	19.0	17.0
9	---	---	---	---	---	---	---	---	---	---	20.0	19.0
10	---	---	---	---	---	---	---	---	---	---	20.0	19.0
11	---	---	---	---	---	---	---	---	---	---	17.0	20.0
12	---	---	---	---	---	---	---	---	---	---	21.0	12.0
13	---	---	---	---	---	---	---	---	---	---	21.0	11.0
14	---	---	---	---	---	---	---	---	---	---	20.0	12.0
15	---	---	---	---	---	---	---	---	---	---	21.0	13.5
16	---	---	---	---	---	---	---	---	---	19.0	20.0	15.0
17	---	---	---	---	---	---	---	---	---	20.0	22.0	16.0
18	---	---	---	---	---	---	---	---	---	22.0	19.0	16.0
19	---	---	---	---	---	---	---	---	---	22.0	21.0	17.0
20	---	---	---	---	---	---	---	---	---	23.0	22.0	15.5
21	---	---	---	---	---	---	---	---	---	24.0	22.0	12.0
22	---	---	---	---	---	---	---	---	---	24.0	20.0	12.5
23	---	---	---	---	---	---	---	---	---	22.0	20.0	13.0
24	---	---	---	---	---	---	---	---	---	21.0	19.0	12.5
25	---	---	---	---	---	---	---	---	---	21.0	20.0	12.0
26	---	---	---	---	---	---	---	---	---	23.0	22.0	13.5
27	---	---	---	---	---	---	---	---	---	22.0	20.0	15.5
28	---	---	---	---	---	---	---	---	---	23.0	17.0	9.5
29	---	---	---	---	---	---	---	---	---	20.0	18.0	10.0
30	---	---	---	---	---	---	---	---	---	18.0	17.0	9.5
31	---	---	---	---	---	---	---	---	---	20.0	17.0	---
MONTH	---	---	---	---	---	---	---	---	---	---	19.0	14.0

06792000 CEDAR RIVER NEAR FULLERTON, NEBR.

LOCATION.--Lat 41°23'45", long 98°00'15", in NE¼NE¼ sec.4, T.16 N., R.6 W., Nance County, at gaging station at highway bridge, 3 mi (5 km) northwest of Fullerton and 5.8 mi (9.3 km) upstream from mouth.

DRAINAGE AREA.--1,220 mi^2 (3,160 km^2), approximately, of which about 480 mi^2 (1,240 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: September 1957 to October 1959, July 1974 to September 1974. Water temperatures: July 1974 to September 1974.

WATER QUALITY DATA, JULY 1974 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
JULY										
25...	1115	53	42	50	0	44	6.8	9.0	5.0	189
AUG.										
19...	1230	181	--	40	0	--	--	--	--	140
SEP.										
17...	--	--	--	--	--	--	--	--	--	--
17...	1130	145	39	50	0	36	6.6	7.4	8.1	164

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)
JULY										
25...	0	155	9.4	2.2	.3	.01	.22	215	.29	30.8
AUG.										
19...	0	115	--	1.7	--	.24	.22	--	.41	147
SEP.										
17...	--	--	--	--	--	--	--	--	--	--
17...	0	135	8.1	2.5	.2	.01	.21	189	.26	74.0

DATE	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
JULY										
25...	140	0	.3	315	8.5	25.0	20	--	--	50
AUG.										
19...	--	--	--	226	7.9	26.0	20	55	8.3	--
SEP.										
17...	--	--	--	272	--	--	--	--	--	--
17...	120	0	.3	274	8.0	23.0	3	--	--	40

06792000 CEDAR RIVER NEAR FULLERTON, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	262	---	---	---	---	---	---	---	---	---	265	265
2	---	---	---	---	---	---	300	---	---	---	274	263
3	---	---	---	---	---	---	---	---	---	---	279	249
4	284	---	---	---	---	---	---	---	---	---	249	247
5	340	---	---	---	---	283	---	---	---	---	254	240
6	---	---	---	---	---	---	---	---	---	---	267	247
7	---	---	---	---	---	---	---	---	---	---	275	263
8	---	---	---	---	---	---	---	---	---	---	277	268
9	---	---	---	---	---	---	---	---	---	---	251	266
10	---	---	277	---	---	---	---	---	---	314	239	254
11	---	---	---	---	---	---	---	---	269	323	266	242
12	---	267	---	---	---	---	---	---	---	334	221	258
13	---	---	---	---	---	---	---	---	---	325	271	253
14	---	---	---	---	---	---	---	---	---	324	253	238
15	---	---	---	---	---	---	---	280	---	305	244	251
16	---	---	---	---	---	---	---	---	---	334	253	237
17	---	---	---	---	---	---	---	---	---	302	261	249
18	---	---	---	---	---	---	---	---	---	325	277	251
19	---	---	---	---	---	---	---	---	---	319	230	265
20	---	---	---	---	290	---	---	---	---	311	231	262
21	---	---	---	---	---	---	---	---	---	307	252	256
22	---	---	---	---	---	---	---	---	---	295	237	248
23	---	---	---	---	---	---	---	---	---	290	270	250
24	---	---	---	---	---	---	---	---	---	341	269	270
25	---	---	---	---	---	---	---	---	---	313	237	277
26	---	---	---	---	---	---	---	---	---	309	262	250
27	---	---	---	---	---	---	---	---	---	305	264	255
28	---	---	---	---	---	---	---	---	---	280	265	278
29	---	---	---	---	---	---	---	---	---	255	274	263
30	---	---	---	---	---	---	---	---	---	373	276	267
31	---	---	---	---	---	---	---	---	---	284	247	---
MONTH	---	---	---	---	---	---	---	---	---	---	258	256

TEMPERATURE (DEG. C) OF WATER, JULY 1974 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	21.0	18.0
2	---	---	---	---	---	---	---	---	---	---	19.0	19.5
3	---	---	---	---	---	---	---	---	---	---	21.0	20.5
4	---	---	---	---	---	---	---	---	---	---	25.0	14.0
5	---	---	---	---	---	---	---	---	---	---	20.0	21.5
6	---	---	---	---	---	---	---	---	---	---	18.0	21.5
7	---	---	---	---	---	---	---	---	---	---	19.0	23.0
8	---	---	---	---	---	---	---	---	---	---	24.5	18.5
9	---	---	---	---	---	---	---	---	---	29.5	25.0	25.5
10	---	---	---	---	---	---	---	---	---	35.0	22.0	19.5
11	---	---	---	---	---	---	---	---	---	34.0	25.0	18.5
12	---	---	---	---	---	---	---	---	---	22.5	25.0	15.5
13	---	---	---	---	---	---	---	---	---	24.5	23.5	9.5
14	---	---	---	---	---	---	---	---	---	31.0	21.0	19.0
15	---	---	---	---	---	---	---	---	---	30.0	21.0	23.5
16	---	---	---	---	---	---	---	---	---	29.0	21.0	24.5
17	---	---	---	---	---	---	---	---	---	30.0	21.5	25.0
18	---	---	---	---	---	---	---	---	---	34.0	24.0	25.0
19	---	---	---	---	---	---	---	---	---	35.5	24.5	18.0
20	---	---	---	---	---	---	---	---	---	36.5	25.0	18.0
21	---	---	---	---	---	---	---	---	---	36.0	21.5	12.5
22	---	---	---	---	---	---	---	---	---	35.5	21.5	19.0
23	---	---	---	---	---	---	---	---	---	31.0	21.0	21.0
24	---	---	---	---	---	---	---	---	---	30.5	21.0	22.5
25	---	---	---	---	---	---	---	---	---	30.0	22.5	13.5
26	---	---	---	---	---	---	---	---	---	29.5	23.5	23.0
27	---	---	---	---	---	---	---	---	---	22.5	22.0	20.0
28	---	---	---	---	---	---	---	---	---	25.0	21.0	13.5
29	---	---	---	---	---	---	---	---	---	22.5	21.0	17.0
30	---	---	---	---	---	---	---	---	---	23.0	20.0	11.5
31	---	---	---	---	---	---	---	---	---	20.0	19.0	---
MONTH	---	---	---	---	---	---	---	---	---	---	22.0	19.0

06792499 LOUP RIVER POWER CANAL AT DIVERSION NEAR GENOA, NEBR.

LOCATION.--Lat 41°23'31", long 97°49'20", in NE¼NW¼ sec.6, T.16 N., R.4 W., Nance County, at diversion structure, 2 mi (3.2 km) upstream from gaging station and 5.5 mi (8.8 km) southwest of Genoa.

PERIOD OF RECORD.--Chemical analyses: October 1972 to September 1974.
Water temperatures: October 1972 to September 1974.

EXTREMES.--1973-74:
Specific conductance: Maximum daily, 364 micromhos July 13; minimum daily, 241 micromhos Aug. 21.
Water temperatures: Maximum, 35.5°C July 21; minimum, freezing point on many days December to February.

Period of record:
Specific conductance: maximum daily, 444 micromhos Dec. 11, 1972; minimum daily, 219 micromhos Dec. 29, 1972.
Water temperatures: Maximum, 35.5°C July 21, 1974; minimum, freezing point on many days December to February.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT. 24...	1430	2410	53	30	20	37	5.9	9.6	7.9	158
NOV. 15...	1315	2330	53	20	0	36	5.5	8.8	7.1	150
DEC. 27...	1200	1720	57	40	30	45	7.7	11	7.6	185
JAN. 17...	1145	2050	55	60	40	43	6.8	9.0	7.5	169
FEB. 27...	1445	1820	47	30	30	37	6.2	9.6	7.1	156
MAR. 20...	1300	2540	50	70	50	38	6.8	12	1.0	158
APR. 11...	1300	2420	47	--	--	38	6.0	9.2	7.2	160
MAY 20...	1400	1670	46	40	0	41	6.6	10	7.7	170
JUNE 11...	1440	2930	36	90	0	33	5.4	7.9	7.9	137
JULY 02...	1530	596	20	60	20	45	7.1	11	7.7	194
AUG. 13...	1430	868	46	30	0	33	5.5	9.9	8.6	150
SEP. 26...	0915	1190	51	70	0	34	6.8	9.3	6.6	150

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT. 24...	0	130	9.1	1.6	.4	.57	.17	205	.28
NOV. 15...	0	123	8.9	2.0	.3	.69	.21	199	.27
DEC. 27...	0	152	12	4.1	.4	1.1	.22	241	.33
JAN. 17...	0	139	12	3.0	.3	.70	.16	223	.30
FEB. 27...	0	128	10	3.2	.4	.74	.18	201	.27
MAR. 20...	0	130	11	2.7	.1	.76	.21	203	.28
APR. 11...	0	131	13	2.3	.4	.55	.19	204	.28
MAY 20...	0	139	12	2.8	1.3	.04	.14	211	.29
JUNE 11...	0	112	9.7	2.6	.5	1.1	.30	176	.24
JULY 02...	0	159	14	3.3	.2	.03	.11	204	.28
AUG. 13...	0	123	11	2.2	.3	.03	.05	191	.26
SEP. 26...	0	123	8.4	1.5	.3	.02	.13	193	.26

06792499 LOUP RIVER POWER CANAL AT DIVERSION NEAR GENOA, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 24...	1330	120	0	.4	274	8.1	15.0	20	50
NOV. 15...	1250	110	0	.4	267	8.3	5.0	10	20
DEC. 27...	1120	140	0	.4	316	7.9	.4	10	40
JAN. 17...	1230	140	0	.3	248	7.6	1.0	20	30
FEB. 27...	988	120	0	.4	282	7.9	37.0	40	50
MAR. 20...	1390	120	0	.5	280	8.0	5.0	20	30
APR. 11...	1330	120	0	.4	282	8.1	12.0	20	30
MAY 20...	951	130	0	.4	295	8.3	75.0	7	50
JUNE 11...	1390	100	0	.3	254	7.8	17.0	80	40
JULY 02...	328	140	0	.4	338	7.8	22.5	5	50
AUG. 13...	448	110	0	.4	264	7.9	22.0	7	50
SEP. 26...	620	110	0	.4	255	--	12.5	10	730

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	258	288	275	312	284	288	278	295	269	303	304	268
2	250	267	273	304	290	287	282	288	263	320	305	261
3	256	265	276	320	295	283	267	296	263	328	274	260
4	267	265	276	318	295	290	262	296	266	321	305	266
5	264	263	292	327	288	285	271	291	271	327	302	267
6	261	262	282	327	292	288	292	291	289	334	310	265
7	268	260	289	327	292	281	288	297	274	334	316	263
8	272	261	284	329	302	282	291	293	257	338	307	266
9	277	259	274	329	306	285	291	281	260	350	284	264
10	278	252	268	327	306	276	283	287	251	347	299	263
11	267	257	271	324	305	278	277	289	259	359	293	258
12	262	256	263	314	293	283	284	277	265	362	259	261
13	267	257	265	319	285	277	282	282	253	364	262	265
14	265	255	277	315	273	279	274	291	262	353	268	256
15	263	257	280	304	266	279	264	299	250	352	266	257
16	268	255	319	301	261	276	265	298	267	353	264	252
17	267	256	307	293	258	282	272	297	268	339	256	249
18	266	257	300	264	264	281	283	287	285	346	243	249
19	263	257	324	286	256	274	276	285	279	349	247	252
20	263	249	334	287	264	282	281	292	283	353	244	258
21	263	258	348	273	274	277	285	287	283	357	241	255
22	267	276	341	266	277	276	285	289	289	292	254	253
23	266	286	348	268	282	278	280	278	294	339	251	257
24	266	270	332	275	287	282	272	272	295	355	253	258
25	266	264	321	276	288	278	283	256	302	346	258	253
26	262	258	307	274	276	277	279	261	300	340	253	250
27	263	258	308	278	278	284	282	297	308	337	252	249
28	262	263	296	282	280	283	283	271	308	315	258	255
29	262	265	289	282	---	282	288	263	312	305	256	253
30	266	264	293	279	---	277	298	262	311	322	261	255
31	260	---	293	281	---	283	---	281	---	327	258	---
MONTH	265	262	297	299	283	281	280	285	278	338	271	258

06792400 LOUP RIVER POWER CANAL AT DIVERSION NEAR GENOA, NEBR.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.5	9.0	3.0	0.0	0.0	8.5	14.5	20.0	25.5	27.0	25.0	15.5
2	20.0	8.5	4.5	0.0	0.0	12.0	15.0	21.5	24.5	26.5	24.0	18.0
3	18.5	8.0	1.5	0.0	0.0	11.0	4.0	19.5	26.5	28.5	24.0	19.5
4	18.5	4.5	0.0	0.0	0.0	10.5	6.5	19.0	26.5	29.0	28.0	20.5
5	18.5	5.0	0.0	0.0	0.0	6.5	11.5	22.0	27.0	29.0	23.0	20.0
6	17.0	4.0	0.0	0.0	0.0	11.5	9.5	20.5	21.0	30.5	21.5	20.5
7	19.5	5.5	0.0	0.0	0.0	8.5	9.0	22.0	24.0	30.5	22.0	24.0
8	21.5	2.0	0.5	0.0	0.0	10.5	13.5	23.0	20.0	30.0	24.5	25.0
9	22.0	4.0	0.5	0.0	0.0	8.5	16.0	21.5	16.5	29.0	24.0	23.5
10	16.5	6.5	0.0	0.0	0.0	5.0	13.0	18.5	20.0	31.0	26.0	25.0
11	15.0	8.0	0.5	0.0	0.0	5.5	15.0	16.0	20.5	31.5	25.5	19.0
12	14.5	10.5	0.5	0.0	0.0	5.0	11.0	21.0	23.5	31.0	28.5	14.5
13	16.0	12.0	0.0	0.0	0.0	6.5	6.5	21.5	26.5	29.5	23.5	16.5
14	18.5	10.5	0.0	0.0	0.0	9.5	11.5	18.0	29.5	29.5	26.0	20.0
15	18.5	11.0	0.0	0.0	0.0	9.0	11.0	18.5	26.5	29.5	23.0	21.5
16	15.5	9.5	0.0	0.0	0.0	8.5	13.5	21.5	23.0	27.0	28.5	22.0
17	17.0	9.5	0.0	0.0	0.0	8.0	15.5	18.0	25.5	30.5	20.5	23.0
18	18.0	9.5	0.0	0.0	0.0	9.0	18.5	18.5	29.5	32.0	26.0	24.0
19	18.5	7.0	0.0	0.0	0.0	10.0	19.5	24.0	31.5	33.5	28.5	20.0
20	19.0	4.5	0.0	0.0	3.5	5.5	19.5	26.0	33.0	33.5	28.5	17.0
21	18.5	1.0	0.0	0.0	2.0	6.0	19.0	23.5	32.0	35.5	25.5	18.0
22	18.5	1.0	0.0	0.0	1.0	3.0	17.0	24.0	27.0	31.0	25.5	17.0
23	19.0	0.5	0.0	0.0	0.0	3.0	17.0	24.0	25.0	31.5	26.0	18.5
24	17.0	2.0	0.0	0.0	0.0	3.5	15.0	23.5	28.0	30.5	23.5	19.5
25	14.5	1.5	0.0	0.0	0.5	7.0	20.0	25.0	28.5	33.5	26.5	20.0
26	15.0	4.0	0.0	0.0	1.5	10.0	20.0	25.0	27.0	32.0	28.0	20.0
27	13.0	3.0	0.0	0.0	3.5	9.5	22.0	25.0	25.0	30.0	24.0	20.0
28	12.0	3.0	0.0	0.0	3.5	13.5	22.0	28.0	26.5	31.5	25.0	15.0
29	11.5	4.0	0.0	0.0	---	14.5	19.5	25.5	29.0	29.0	21.0	17.0
30	13.0	3.0	0.0	0.0	---	10.0	16.0	26.0	28.5	30.0	22.0	11.5
31	12.0	---	0.0	0.0	---	16.5	---	21.5	---	21.5	20.5	---
MONTH	17.0	5.5	0.5	0.0	0.5	8.5	14.5	22.0	26.0	30.0	25.0	19.5

06793600 BEAVER CREEK NEAR ALBION, NEBR.

LOCATION.--Lat 41°41'00", long 97°58'25", in NW¼NW¼NE¼ sec.26, T.20 N., R.6 W., Boone County, at bridge on county road 0.8 mi (1.3 km) east and 0.6 mi (1.0 km) southeast of junction of highways 14, 39, and 91 at east edge of Albion.

PERIOD OF RECORD.--Chemical analyses: April 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT. 30...	1115	55	--	--	--	--	--	--	--	--
NOV. 27...	1500	88	--	--	--	--	--	--	--	--
DEC. 18...	1540	70	47	20	30	36	5.7	9.2	6.4	153
JAN. 29...	1500	141	35	120	120	33	5.9	7.9	9.7	152
FEB. 21...	1630	98	--	--	--	--	--	--	--	--
MAR. 12...	1630	92	--	--	--	--	--	--	--	--
APR. 10...	1600	76	--	--	--	--	--	--	--	--
MAY 16...	1630	59	--	--	--	--	--	--	--	--
JUNE 27...	1330	38	32	230	100	40	6.5	10	7.2	165
JULY 18...	1200	7.5	--	--	--	--	--	--	--	--
AUG. 29...	1130	22	--	--	--	--	--	--	--	--
SEP. 18...	1600	40	33	1000	10	36	5.1	7.2	7.1	144

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT. 30...	--	--	--	2.7	--	--	.35	.18	.49	.67
NOV. 27...	--	--	--	2.1	--	--	.39	.29	1.0	1.3
DEC. 18...	0	126	6.8	2.6	.3	.58	.59	.36	.84	1.2
JAN. 29...	0	125	5.4	3.0	.3	.47	.40	.48	1.1	1.6
FEB. 21...	--	--	--	2.3	--	.38	.37	.25	.95	1.2
MAR. 12...	--	--	--	2.1	--	.40	.42	.32	.26	.58
APR. 10...	--	--	--	2.1	--	.33	.29	.21	1.1	1.3
MAY 16...	--	--	--	2.4	--	.48	.48	.67	2.1	2.8
JUNE 27...	--	135	7.2	2.6	.3	.60	.30	.40	.90	1.3
JULY 18...	--	--	--	20	--	1.1	1.2	.48	1.5	2.0
AUG. 29...	--	--	--	3.5	--	.40	.18	.32	.54	.86
SEP. 18...	--	118	9.7	3.9	.3	.59	.52	.08	.74	.82

06793600 BEAVER CREEK NEAR ALBION, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED-PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT. 30...	--	.60	.56	187	--	.25	27.8	--	--	--
NOV. 27...	--	.52	.31	181	--	.25	43.0	--	--	--
DEC. 18...	1.8	.34	.28	--	192	.26	36.3	110	0	.4
JAN. 29...	2.1	.56	.29	--	177	.24	67.4	110	0	.3
FEB. 21...	1.6	.45	.28	187	--	.25	49.5	--	--	--
MAR. 12...	.98	.38	.30	191	--	.26	47.4	--	--	--
APR. 10...	1.6	.52	.31	189	--	.26	38.8	--	--	--
MAY 16...	3.3	.79	.49	182	--	.25	29.0	--	--	--
JUNE 27...	1.9	.72	.51	--	189	.26	19.4	130	0	.4
JULY 18...	3.1	.88	.66	275	--	.37	5.57	--	--	--
AUG. 29...	1.3	.58	.49	168	--	.23	9.98	--	--	--
SEP. 18...	1.4	.50	.40	--	177	.24	19.1	110	0	.3

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)
OCT. 30...	252	7.6	8.5	--	20	10.6	2.7	80	83	--
NOV. 27...	256	7.6	4.5	--	30	11.8	3.5	1680	3880	--
DEC. 18...	257	7.7	.5	20	15	10.2	1.1	90	150	--
JAN. 29...	265	7.9	1.0	50	40	10.6	4.6	833	1780	3
FEB. 21...	243	7.3	2.5	--	60	10.8	1.9	36	170	--
MAR. 12...	249	7.7	4.0	--	25	10.8	1.8	140	360	--
APR. 10...	264	7.7	13.5	--	30	10.0	3.0	5200	4800	--
MAY 16...	264	7.9	21.5	--	150	8.1	4.8	71300	37000	--
JUNE 27...	281	7.8	23.0	20	25	7.9	3.1	1470	100	--
JULY 18...	388	7.6	31.0	--	40	7.3	7.0	700	380	--
AUG. 29...	262	7.4	13.0	--	25	10.0	3.8	3400	470	--
SEP. 18...	244	7.4	22.0	20	25	7.9	1.8	190	100	11

DATE	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 30...	--	--	--	--	--	--	--	--	--	--
NOV. 27...	--	--	--	--	--	--	--	--	--	--
DEC. 18...	6	--	--	--	--	--	--	--	--	--
JAN. 29...	50	0	0	8	2	.0	.0	5	0	10
FEB. 21...	--	--	--	--	--	--	--	--	--	--
MAR. 12...	--	--	--	--	--	--	--	--	--	--
APR. 10...	--	--	--	--	--	--	--	--	--	--
MAY 16...	--	--	--	--	--	--	--	--	--	--
JUNE 27...	30	--	--	--	--	--	--	--	--	--
JULY 18...	--	--	--	--	--	--	--	--	--	--
AUG. 29...	--	--	--	--	--	--	--	--	--	--
SEP. 18...	50	0	0	19	1	.1	.1	1	0	10

06796000 PLATTE RIVER AT NORTH BEND, NEBR.

LOCATION.--Lat 41°27'10", long 96°45'50", in SE¼ sec.7, T.17 N., R.6 E., Dodge County, at gaging station on State Highway 79, 1 mi (1.6 km) south of North Bend.

DRAINAGE AREA.--81,100 mi^2 (210,000 km^2), approximately, of which about 63,300 mi^2 (163,000 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1972 to September 1974.
Water temperatures: October 1972 to September 1974.

EXTREMES.--1973-74:
Specific conductance: Maximum daily, 786 micromhos March 21, 27, 28, 31; minimum daily, 221 micromhos Oct. 2.
Water temperatures: Maximum, 24.0°C several days in June and August; minimum, freezing point many days November to March.

Period of record:
Specific conductance: Maximum daily, 790 micromhos June 25, 1973; minimum daily, 221 micromhos Oct. 2, 1973.
Water temperatures: Maximum, 26.0°C several days in July; minimum, freezing point many days November to March.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DIS-SOLVED IRON (FE) (UG/L) (01046)	TOTAL MAN-GANESE (MN) (UG/L) (01055)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)
OCT. 24...	1100	8730	35	--	60	--	10	62	16	50	10
NOV. 14...	1050	6770	38	--	10	--	10	58	14	40	10
DEC. 19...	1000	1700	46	--	30	--	20	74	18	51	9.7
JAN. 30...	0945	11000	36	--	50	--	20	58	14	37	8.6
FEB. 22...	1000	8500	34	--	50	--	60	55	13	37	9.0
MAR. 13...	0930	8250	35	--	160	--	50	66	16	48	9.7
APR. 04...	1200	11100	28	3200	40	130	0	60	16	53	9.0
MAY 17...	0920	2950	30	--	30	--	0	54	14	40	9.0
JUNE 27...	1600	1480	41	--	370	--	0	50	12	29	9.3
JULY 18...	1645	144	41	--	40	--	50	63	14	32	10
AUG. 29...	1630	2300	43	--	40	--	40	48	9.5	20	8.5
SEP. 19...	1000	2150	40	--	50	--	0	47	11	32	9.3

DATE	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)
OCT. 24...	214	0	176	130	15	.5	--	.36	.11	--	.63
NOV. 14...	197	0	162	110	13	.3	--	.91	.39	--	2.1
DEC. 19...	264	0	217	130	18	.5	1.3	1.2	.20	--	.36
JAN. 30...	201	0	165	93	14	.5	.87	.81	.15	--	.53
FEB. 22...	189	0	155	87	18	.5	1.0	.97	.18	--	1.1
MAR. 13...	215	0	176	140	17	.9	.92	.91	.30	--	.36
APR. 04...	218	0	179	140	16	.7	.24	.21	.17	.03	.61
MAY 17...	199	0	163	110	14	.5	.06	.05	--	.06	.45
JUNE 27...	202	--	166	66	9.3	.4	.07	.02	.16	--	1.1
JULY 18...	245	--	201	73	14	.4	.17	.16	.03	--	.97
AUG. 29...	195	--	160	39	9.3	.3	.01	.01	.03	--	1.6
SEP. 19...	192	--	158	75	14	.4	.04	.03	.16	--	1.0

06796000 PLATTE RIVER AT NORTH BEND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L) (00607)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L) (00623)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)
OCT. 24...	--	.74	--	--	.25	.14	426	.58	10000	220	45
NOV. 14...	--	2.5	--	--	.73	.16	385	.52	7040	200	41
DEC. 19...	--	.56	--	1.9	.23	.22	483	.66	2220	260	42
JAN. 30...	--	.68	--	1.6	.21	.15	364	.50	10800	200	38
FEB. 22...	--	1.3	--	2.3	.38	.18	351	.48	8060	190	36
MAR. 13...	--	.66	--	1.6	.21	.12	443	.60	9870	230	54
APR. 04...	.65	.78	.68	1.0	.19	.06	431	.59	12900	220	37
MAY 17...	--	.51	--	.57	.22	.09	370	.50	6090	190	29
JUNE 27...	--	1.3	--	1.4	.26	.18	317	.43	1270	170	9
JULY 18...	--	1.0	--	1.2	.24	.16	369	.50	143	220	14
AUG. 29...	--	1.6	--	1.6	.33	.19	274	.37	1700	160	0
SEP. 19...	--	1.2	--	1.2	.29	.15	324	.44	1880	160	5

DATE	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
OCT. 24...	1.5	652	7.7	15.0	20	30	9.1	--	4.4	--	128
NOV. 14...	1.2	575	7.8	9.0	20	170	11.0	--	6.1	460	190
DEC. 19...	1.4	807	7.6	.0	10	15	13.0	--	1.4	590	184
JAN. 30...	1.1	575	7.9	1.0	20	15	11.4	--	1.6	96	1200
FEB. 22...	1.2	520	7.9	.5	30	65	12.7	--	2.6	833	260
MAR. 13...	1.4	669	7.9	4.0	30	30	11.2	--	.8	150	690
APR. 04...	1.6	789	8.0	4.0	5	40	11.0	24	1.0	550	340
MAY 17...	1.3	570	8.1	16.5	10	30	9.5	--	4.0	230	200
JUNE 27...	1.0	484	7.9	27.0	20	25	9.1	--	5.2	33	20
JULY 18...	1.0	549	7.8	33.5	3	10	7.6	--	4.6	<3	52
AUG. 29...	.7	398	7.9	20.5	8	30	11.0	--	6.9	933	92
SEP. 19...	1.1	482	7.7	17.0	5	25	8.7	--	3.8	133	330

DATE	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	ALDRIN IN FILT. FRAC. (UG/L) (39331)	ALDRIN (UG/L) (39330)	CHLOR-DANE IN FILT. FRAC. (UG/L) (39352)	CHLOR-DANE (UG/L) (39350)	DDD IN FILT. FRAC. (UG/L) (39361)	DDD (UG/L) (39360)	DDE IN FILT. FRAC. (UG/L) (39366)	DDE (UG/L) (39365)	DDT IN FILT. FRAC. (UG/L) (39371)	DDT (UG/L) (39370)
OCT. 24...	--	--	--	--	--	--	--	--	--	--	--
NOV. 14...	--	--	--	--	--	--	--	--	--	--	--
DEC. 19...	--	--	--	--	--	--	--	--	--	--	--
JAN. 30...	--	--	--	--	--	--	--	--	--	--	--
FEB. 22...	--	--	--	--	--	--	--	--	--	--	--
MAR. 13...	--	--	--	--	--	--	--	--	--	--	--
APR. 04...	6.8	.00	.00	.0	.0	.00	.00	.00	.00	.00	.00
MAY 17...	--	--	--	--	--	--	--	--	--	--	--
JUNE 27...	--	--	--	--	--	--	--	--	--	--	--
JULY 18...	--	--	--	--	--	--	--	--	--	--	--
AUG. 29...	--	--	--	--	--	--	--	--	--	--	--
SEP. 19...	--	--	--	--	--	--	--	--	--	--	--

06796000 PLATTE RIVER AT NORTH BEND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DI-AZINON IN FILT. FRAC. (UG/L) (39572)	DI-AZINON (UG/L) (39570)	DI-ELDRIN IN FILT. FRAC. (UG/L) (39381)	DI-ELDRIN (UG/L) (39380)	ENDRIN IN FILT. FRAC. (UG/L) (39391)	ENDRIN (UG/L) (39390)	HEPTA-CHLOR IN FILT. FRAC. (UG/L) (39411)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE IN FILT. FRAC. (UG/L) (39421)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	LINDANE IN FILT. FRAC. (UG/L) (39341)	LINDANE (UG/L) (39340)
OCT. 24...	--	--	--	--	--	--	--	--	--	--	--	--
NOV. 14...	--	--	--	--	--	--	--	--	--	--	--	--
DEC. 19...	--	--	--	--	--	--	--	--	--	--	--	--
JAN. 30...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 22...	--	--	--	--	--	--	--	--	--	--	--	--
MAR. 13...	--	--	--	--	--	--	--	--	--	--	--	--
APR. 04...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAY 17...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 27...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 18...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 29...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 19...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	MALA-THION IN FILT. FRAC. (UG/L) (39532)	MALA-THION (UG/L) (39530)	METHYL PARA-THION IN FILT. FRAC. (UG/L) (39602)	METHYL PARA-THION (UG/L) (39600)	PARA-THION IN FILT. FRAC. (UG/L) (39542)	PARA-THION (UG/L) (39540)	PCB IN FILT. FRAC. (UG/L) (39517)	PCB (UG/L) (39516)	2,4-D IN FILT. FRAC. (UG/L) (39732)	2,4-D (UG/L) (39730)	2,4,5-T IN FILT. FRAC. (UG/L) (39742)	2,4,5-T (UG/L) (39740)
OCT. 24...	--	--	--	--	--	--	--	--	--	--	--	--
NOV. 14...	--	--	--	--	--	--	--	--	--	--	--	--
DEC. 19...	--	--	--	--	--	--	--	--	--	--	--	--
JAN. 30...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 22...	--	--	--	--	--	--	--	--	--	--	--	--
MAR. 13...	--	--	--	--	--	--	--	--	--	--	--	--
APR. 04...	.00	.00	.00	.00	.00	.00	.0	.0	.00	.00	.00	.00
MAY 17...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 27...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 18...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 29...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 19...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	SILVEX IN FILT. FRAC. (UG/L) (39762)	SILVEX (UG/L) (39760)	TOTAL ARSENIC (AS) (UG/L) (01002)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	TOTAL COBALT (CO) (UG/L) (01037)	DIS-SOLVED COBALT (CO) (UG/L) (01035)
OCT. 24...	--	--	--	--	90	--	--	--	--	--	--
NOV. 14...	--	--	--	--	60	--	--	--	--	--	--
DEC. 19...	--	--	--	--	70	--	--	--	--	--	--
JAN. 30...	--	--	--	--	70	--	--	--	--	--	--
FEB. 22...	--	--	--	--	70	--	--	--	--	--	--
MAR. 13...	--	--	--	--	80	--	--	--	--	--	--
APR. 04...	.00	.00	2	2	90	10	1	0	0	<50	0
MAY 17...	--	--	--	--	90	--	--	--	--	--	--
JUNE 27...	--	--	--	--	60	--	--	--	--	--	--
JULY 18...	--	--	--	--	80	--	--	--	--	--	--
AUG. 29...	--	--	--	--	60	--	--	--	--	--	--
SEP. 19...	--	--	--	--	90	--	--	--	--	--	--

06796000 PLATTE RIVER AT NORTH BEND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL COPPER (CU) (UG/L) (01042)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	TOTAL SELE-NIUM (SE) (UG/L) (01147)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	TOTAL ZINC (ZN) (UG/L) (01092)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 24...	--	--	--	--	--	--	--	--	--	--	--
NOV. 14...	--	--	--	--	--	--	--	--	--	--	--
DEC. 19...	--	--	--	--	--	--	--	--	--	--	--
JAN. 30...	--	--	--	--	--	--	--	--	--	--	--
FEB. 22...	--	--	--	--	--	--	--	--	--	--	--
MAR. 13...	--	--	--	--	--	--	--	--	--	--	--
APR. 04...	10	23	<100	2	.1	.0	2	4	0	230	0
MAY 17...	--	--	--	--	--	--	--	--	--	--	--
JUNE 27...	--	--	--	--	--	--	--	--	--	--	--
JULY 18...	--	--	--	--	--	--	--	--	--	--	--
AUG. 29...	--	--	--	--	--	--	--	--	--	--	--
SEP. 19...	--	--	--	--	--	--	--	--	--	--	--

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	348	596	633	645	578	550	552	599	400	498	338	348
2	221	593	625	650	578	551	666	680	403	493	335	347
3	329	556	624	651	578	551	548	680	405	492	334	344
4	341	558	624	647	576	550	549	677	406	496	332	361
5	607	557	629	652	576	550	550	676	403	493	329	349
6	455	556	626	652	579	548	552	403	401	494	333	345
7	455	558	628	645	581	550	670	402	403	496	343	344
8	456	563	625	646	581	550	673	401	408	504	331	345
9	627	516	624	630	579	551	671	402	402	509	337	359
10	456	514	628	620	584	582	669	515	406	510	336	358
11	628	514	629	620	580	607	671	501	406	508	333	354
12	455	516	632	622	579	550	527	501	408	504	333	337
13	451	436	630	620	542	553	529	498	404	505	335	371
14	473	434	628	623	542	550	673	529	458	507	335	410
15	477	434	628	620	542	552	673	522	457	509	334	453
16	479	429	628	618	543	545	671	519	462	503	333	424
17	480	437	623	621	542	550	671	498	457	510	341	423
18	540	435	624	620	546	782	671	522	453	505	335	448
19	637	434	623	622	543	784	672	458	452	507	334	456
20	637	434	619	580	543	782	669	520	456	502	335	488
21	567	434	625	578	543	786	671	514	458	504	333	446
22	566	580	626	574	543	784	675	521	454	509	331	345
23	556	448	629	580	544	549	681	405	464	505	332	491
24	556	578	626	577	543	560	671	401	494	506	329	461
25	556	434	626	577	543	785	672	403	489	505	338	445
26	553	434	629	576	542	784	672	403	495	507	335	422
27	552	466	629	577	542	786	673	403	495	504	333	535
28	550	468	629	580	545	786	673	402	493	503	331	525
29	555	469	628	579	---	784	671	404	495	504	336	353
30	555	469	626	577	---	784	676	402	497	504	330	498
31	558	---	626	582	---	786	---	403	---	509	334	---
MONTH	506	495	627	612	558	644	642	489	443	503	334	406

06796000 PLATTE RIVER AT NORTH BEND, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.0	7.0	0.0	0.0	0.0	0.0	4.0	20.0	20.0	23.5	24.0	20.5
2	16.0	8.0	0.0	0.0	0.0	0.0	4.0	20.0	21.5	23.5	24.0	20.5
3	15.0	6.0	0.0	0.0	0.0	0.0	4.5	20.0	22.0	23.0	24.0	20.5
4	14.0	3.0	0.0	0.0	0.0	0.0	5.5	20.0	22.0	23.0	23.5	20.5
5	16.0	3.0	0.0	0.0	0.0	2.0	5.5	20.0	21.5	23.0	23.5	20.0
6	16.0	3.0	0.0	0.0	0.0	2.5	6.0	20.5	22.0	23.0	24.0	20.5
7	15.0	1.0	0.0	0.0	0.0	2.0	6.0	21.0	21.0	23.0	24.0	20.0
8	15.0	0.0	0.0	0.0	0.0	3.0	4.5	22.0	21.0	23.5	23.5	20.0
9	16.0	0.0	0.0	0.0	0.0	3.0	4.5	21.0	20.5	23.5	23.0	20.5
10	15.0	0.0	0.0	0.0	0.0	4.5	4.0	21.0	20.5	23.5	23.0	20.0
11	15.0	0.0	0.0	0.0	0.0	6.0	3.5	21.0	20.5	23.5	23.0	20.0
12	14.0	0.0	0.0	0.0	0.0	6.0	3.5	21.0	21.0	23.5	23.5	20.5
13	14.0	0.0	0.0	0.0	0.0	5.5	2.5	20.5	22.0	23.5	23.0	25.0
14	13.0	0.0	0.0	0.0	0.0	6.5	2.5	20.5	23.0	23.5	23.0	20.0
15	13.0	0.0	0.0	0.0	0.0	7.5	2.0	20.5	23.0	23.5	23.0	20.0
16	13.0	0.0	0.0	0.0	0.0	9.0	2.5	20.0	23.5	23.0	22.0	20.5
17	13.0	0.0	0.0	0.0	0.0	4.0	3.0	20.5	23.5	23.5	22.0	20.5
18	13.0	0.0	0.0	0.0	0.0	4.5	3.0	20.0	24.0	23.5	21.5	20.5
19	13.0	0.0	0.0	0.0	0.0	6.5	8.5	20.0	24.0	23.0	21.5	20.5
20	14.0	0.0	0.0	0.0	0.0	6.0	8.0	21.0	23.5	23.0	20.5	20.0
21	14.0	0.0	0.0	0.0	0.0	8.5	11.5	21.0	23.0	23.0	20.5	20.0
22	12.0	0.0	0.0	0.0	0.0	8.5	14.0	21.0	23.0	23.0	20.5	20.0
23	12.0	0.0	0.0	0.0	0.0	9.0	18.0	20.0	23.0	22.5	21.0	20.0
24	10.0	0.0	0.0	0.0	0.0	11.0	18.5	20.5	23.5	23.0	21.0	20.0
25	10.0	0.0	0.0	0.0	0.0	11.5	19.5	20.0	23.5	23.5	20.5	20.0
26	10.0	0.0	0.0	0.0	0.0	11.5	20.0	21.0	23.5	23.5	20.5	20.0
27	9.0	0.0	0.0	0.0	0.0	11.0	20.0	22.0	24.0	23.0	21.0	20.5
28	8.0	0.0	0.0	0.0	0.0	12.0	19.5	22.0	24.0	22.5	20.5	20.0
29	7.0	0.0	0.0	0.0	---	12.5	19.0	22.0	24.0	22.5	20.5	20.0
30	8.0	0.0	0.0	0.0	---	12.0	20.0	22.5	24.0	22.5	20.5	15.0
31	8.0	---	0.0	0.0	---	12.0	---	22.5	---	22.0	20.5	---
MONTH	13.0	1.0	0.0	0.0	0.0	6.5	9.0	21.0	22.5	23.0	22.0	20.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	DIS-CHARGE (CFS) (00060)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)
APR. 04...	1200	4.0	11100	906	27200	29	40	72	100

DATE	TIME	NUMBER OF SAM-PLING POINTS (00063)	DIS-CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
APR. 04...	1200	3	11100	0	7	50	78	88	97	100

06799450 LOGAN CREEK AT PENDER, NEBR.

LOCATION.--Lat 42°06'40", long 96°42'00", in NW¼ sec.26, T.25 N., R.6 E., Thurston County, at gaging station at bridge on State Highway 94 at Pender.

DRAINAGE AREA.--731 mi^2 (1,890 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: January 1964 to September 1968, May 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DIS-SOLVED IRON (FE) (UG/L) (01046)	TOTAL MAN-GANESE (MN) (UG/L) (01055)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)
OCT. 24...	1300	60	--	--	--	--	--	--	--	--
NOV. 14...	1330	65	--	--	--	--	--	--	--	--
DEC. 19...	1200	68	--	--	--	--	--	--	--	--
JAN. 30...	1150	171	--	--	--	--	--	--	--	--
FEB. 21...	1300	112	--	--	--	--	--	--	--	--
MAR. 12...	1320	86	--	--	--	--	--	--	--	--
APR. 10...	1300	70	--	--	--	--	--	--	--	--
MAY 16...	1330	55	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--
29...	1230	842	7.1	230000	20	15000	0	36	7.7	6.0
JULY 18...	1500	39	--	--	--	--	--	--	--	--
AUG. 29...	1440	40	--	--	--	--	--	--	--	--
SEP. 09...	1410	49	--	--	--	--	--	--	--	--
18...	1330	47	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)
OCT. 24...	--	--	--	--	--	7.5	--	--	1.2	.08
NOV. 14...	--	--	--	--	--	7.9	--	--	1.4	.11
DEC. 19...	--	--	--	--	--	9.6	--	2.2	2.0	.29
JAN. 30...	--	--	--	--	--	8.6	--	1.9	.95	1.4
FEB. 21...	--	--	--	--	--	7.0	--	1.7	1.7	.48
MAR. 12...	--	--	--	--	--	8.1	--	1.5	1.5	.25
APR. 10...	--	--	--	--	--	7.6	--	1.4	1.3	.20
MAY 16...	--	--	--	--	--	5.2	--	1.3	1.2	.19
29...	--	--	--	--	--	--	--	--	--	--
29...	8.6	155	0	127	28	3.8	.6	3.6	2.4	.37
JULY 18...	--	--	--	--	--	9.1	--	.23	.18	.21
AUG. 29...	--	--	--	--	--	11	--	.67	.68	.04
SEP. 09...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	9.8	--	.75	.72	.12

06799450 LOGAN CREEK AT PENDER, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L) (00607)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L) (00623)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)
OCT. 24...	--	.45	--	.53	--	--	.42	.20	449	--
NOV. 14...	--	.54	--	.65	--	--	.32	.21	509	--
DEC. 19...	--	.37	--	.66	--	2.9	.32	.20	552	--
JAN. 30...	--	1.2	--	2.6	--	4.5	.80	.54	371	--
FEB. 21...	--	.82	--	1.3	--	3.0	.52	.29	461	--
MAR. 12...	--	.23	--	.48	--	2.0	.34	.31	519	--
APR. 10...	--	.66	--	.86	--	2.3	.41	.21	509	--
MAY 16...	--	.30	--	.49	--	1.8	.24	.19	491	--
29...	--	--	--	--	--	--	--	--	--	--
29...	.32	36	1.6	36	1.9	40	8.3	.13	--	185
JULY 18...	--	1.1	--	1.3	--	1.5	.97	.19	479	--
AUG. 29...	--	1.1	--	1.1	--	1.8	.37	.26	474	--
SEP. 09...	--	--	--	--	--	--	--	--	--	--
18...	--	.63	--	.75	--	1.5	.36	.26	489	--

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)
OCT. 24...	.61	72.7	--	--	--	803	7.8	15.5	--	20
NOV. 14...	.69	89.3	--	--	--	781	7.7	7.5	--	20
DEC. 19...	.75	101	--	--	--	808	7.6	.0	--	10
JAN. 30...	.50	171	--	--	--	585	7.9	1.5	--	45
FEB. 21...	.63	139	--	--	--	717	7.8	1.0	--	45
MAR. 12...	.71	121	--	--	--	809	8.0	6.0	--	25
APR. 10...	.69	96.2	--	--	--	784	8.0	13.0	--	35
MAY 16...	.67	72.9	--	--	--	762	8.0	20.5	--	35
29...	--	--	--	--	--	--	--	--	--	--
29...	.25	421	120	0	.2	482	7.4	21.0	50	--
JULY 18...	.65	50.4	--	--	--	747	7.6	32.0	--	15
AUG. 29...	.64	51.2	--	--	--	745	7.7	18.0	--	10
SEP. 09...	--	--	--	--	--	--	--	21.0	--	--
18...	.67	62.1	--	--	--	748	7.7	22.0	--	15

06799450 LOGAN CREEK AT PENDER, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED OXYGEN (MG/L) (00300)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	ALDRIN (UG/L) (39330)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)
OCT.										
24...	9.2	--	4.2	--	600	--	--	--	--	--
NOV.										
14...	11.4	--	>4.8	1650	420	--	--	--	--	--
DEC.										
19...	11.3	--	2.6	220	333	--	--	--	--	--
JAN.										
30...	12.0	--	8.8	2300	10900	--	--	--	--	--
FEB.										
21...	11.2	--	2.9	667	900	--	--	--	--	--
MAR.										
12...	11.4	--	5.1	70	550	--	--	--	--	--
APR.										
10...	10.4	--	2.6	260	380	--	--	--	--	--
MAY										
16...	10.2	--	2.6	1060	760	--	--	--	--	--
29...	--	--	5.2	--	--	--	--	--	--	--
29...	--	740	5.2	--	--	.01	.0	.00	.00	.00
JULY										
18...	8.2	--	5.7	333	125	--	--	--	--	--
AUG.										
29...	11.2	--	2.8	700	80	--	--	--	--	--
SEP.										
09...	--	--	--	--	--	--	--	--	--	--
18...	9.7	--	1.1	320	260	--	--	--	--	--

DATE	DI-AZINON (UG/L) (39570)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	LINDANE (UG/L) (39340)	MALA-THION (UG/L) (39530)	METHYL PARA-THION (UG/L) (39600)	PARA-THION (UG/L) (39540)	PCB (UG/L) (39516)	TOX-APHENE (UG/L) (39400)
MAY											
29...	.00	.02	.00	.00	.00	.00	.00	.00	.00	.0	0

DATE	TOTAL ARSENIC (AS) (UG/L) (01002)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	TOTAL COBALT (CO) (UG/L) (01037)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	TOTAL COPPER (CU) (UG/L) (01042)
MAY										
29...	240	2	60	20	1	190	0	150	1	300

DATE	DIS-SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	TOTAL SELE-NIUM (SE) (UG/L) (01147)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	TOTAL ZINC (ZN) (UG/L) (01092)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
MAY										
29...	40	200	3	.8	.0	0	0	0	1000	30

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	DIS-CHARGE (CFS) (00060)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)
MAY									
29...	1230	21.0	842	15300	34800	61	72	90	100
SEP.									
09...	1410	21.0	49	53	7.0	--	--	--	--

DATE	TIME	NUMBER OF SAM-PLING POINTS (00063)	DIS-CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
MAY											
29...	1230	3	842	0	2	15	73	97	99	99	100

06800500 ELKHORN RIVER AT WATERLOO, NEBR.

LOCATION.--Lat 41°17'25", long 96°17'05", in SW¼ sec.3, T.15 N., R.10 E., Douglas County, at gaging station at bridge at north edge of Waterloo, 3.5 mi (5.6 km) downstream from Rawhide Creek.

DRAINAGE AREA.--6,900 mi^2 (17,900 km^2), approximately, of which about 5,870 mi^2 (15,200 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1966 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DIS-SOLVED IRON (FE) (UG/L) (01046)	TOTAL MAN-GANESE (MN) (UG/L) (01055)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)
OCT. 24...	1600	799	31	--	10	--	20	76	16	23	8.5
NOV. 14...	1545	770	30	--	40	--	50	72	16	23	7.3
DEC. 19...	1620	960	33	--	20	--	120	88	19	31	7.6
JAN. 30...	1500	1510	26	--	60	--	150	64	15	18	9.7
FEB. 21...	1030	2880	23	--	50	--	220	51	11	16	7.4
MAR. 12...	1115	1350	26	--	60	--	60	65	14	21	7.2
APR. 10...	1030	1015	25	--	20	--	40	67	15	24	8.1
MAY 16...	1100	1020	19	--	20	--	20	63	14	21	7.7
22...	1215	5890	6.3	99000	80	5000	30	29	6.1	8.1	9.7
JUNE 28...	0900	--	26	--	90	--	0	71	16	23	8.0
JULY 19...	1000	312	29	--	140	--	60	61	17	31	8.5
AUG. 30...	0900	360	25	--	50	--	50	63	16	28	7.8
SEP. 18...	1100	330	21	--	50	--	40	43	17	30	7.6

DATE	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)
OCT. 24...	286	0	235	49	10	.4	--	1.8	.24	--	.96
NOV. 14...	279	0	229	48	11	.2	--	1.7	.24	--	.76
DEC. 19...	337	0	276	51	20	.4	2.6	2.6	.88	--	.62
JAN. 30...	244	0	200	43	11	.3	1.8	1.8	1.1	--	1.1
FEB. 21...	204	0	167	32	7.3	.4	1.4	1.4	.74	--	1.8
MAR. 12...	257	0	211	44	9.5	--	2.0	2.7	.48	--	.62
APR. 10...	270	0	221	42	8.7	.5	1.7	1.5	.21	--	1.1
MAY 16...	259	--	212	47	11	.4	.57	.54	.54	--	2.0
22...	108	--	89	22	11	.6	2.1	1.6	.60	.53	13
JUNE 28...	286	--	235	48	10	.4	1.6	.40	.54	--	2.3
JULY 19...	259	--	212	60	20	.4	1.2	1.2	.78	--	1.6
AUG. 30...	266	--	218	50	18	.3	.19	.20	.04	--	3.9
SEP. 18...	219	--	180	52	20	.3	.30	.25	.94	--	2.4

06800500 ELKHORN RIVER AT WATERLOO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L) (00607)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L) (00623)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)
OCT.											
24...	--	1.2	--	--	.77	.52	363	.49	783	260	21
NOV.											
14...	--	1.0	--	--	1.7	.41	353	.48	734	250	17
DEC.											
19...	--	1.5	--	4.1	.42	.36	428	.58	1110	300	22
JAN.											
30...	--	2.2	--	4.0	.62	.44	316	.43	1290	220	21
FEB.											
21...	--	2.5	--	3.9	.72	.25	255	.35	1980	170	5
MAR.											
12...	--	1.1	--	3.1	.53	.34	327	.44	1190	220	9
APR.											
10...	--	1.3	--	3.0	.60	.36	330	.45	904	230	8
MAY											
16...	--	2.5	--	3.1	.64	.29	313	.43	862	220	3
22...	2.4	14	2.9	16	8.5	.19	154	.21	2450	98	9
JUNE											
28...	--	2.8	--	4.4	1.3	.47	345	.47	605	240	9
JULY											
19...	--	2.4	--	3.6	.76	.39	360	.49	303	220	10
AUG.											
30...	--	3.9	--	4.1	.78	.37	340	.46	330	220	5
SEP.											
18...	--	3.3	--	3.6	.80	.30	300	.41	267	180	0

DATE	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
OCT.											
24...	.6	572	7.8	18.0	10	35	9.5	--	5.7	--	3500
NOV.											
14...	.6	557	7.6	9.0	5	25	10.2	--	5.0	46300	5800
DEC.											
19...	.8	688	7.9	.5	20	10	11.9	--	2.4	7660	3350
JAN.											
30...	.5	521	7.8	3.0	40	30	12.3	--	6.1	17000	47000
FEB.											
21...	.5	419	7.5	1.0	30	95	11.6	--	15	329000	22000
MAR.											
12...	.6	513	7.8	5.0	30	50	10.8	--	.3	286000	2550
APR.											
10...	.7	541	7.9	11.5	30	45	9.8	--	2.6	255000	78000
MAY											
16...	.6	519	7.8	14.5	20	55	7.2	--	16	133000	17600
22...	.4	238	7.2	17.5	100	1500	4.5	360	26	--	--
JUNE											
28...	.6	565	7.9	21.0	20	--	--	--	11	--	--
JULY											
19...	.9	577	7.8	28.0	10	25	7.0	--	16	151000	6400
AUG.											
30...	.8	555	7.9	18.5	10	25	7.2	--	15	666000	18000
SEP.											
18...	1.0	501	7.1	20.0	10	30	8.9	--	14	70000	4700

06800500 ELKHORN RIVER AT WATERLOO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL ARSENIC (AS) (UG/L) (01002)	DISSOLVED ARSENIC (AS) (UG/L) (01000)	DISSOLVED BORON (B) (UG/L) (01020)	TOTAL CADMIUM (CD) (UG/L) (01027)	DISSOLVED CADMIUM (CD) (UG/L) (01025)	TOTAL CHROMIUM (CR) (UG/L) (01034)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	TOTAL COBALT (CO) (UG/L) (01037)	DISSOLVED COBALT (CO) (UG/L) (01035)	TOTAL COPPER (CU) (UG/L) (01042)
OCT. 24...	--	--	90	--	--	--	--	--	--	--
NOV. 14...	--	--	50	--	--	--	--	--	--	--
DEC. 19...	--	--	60	--	--	--	--	--	--	--
JAN. 30...	--	--	60	--	--	--	--	--	--	--
FEB. 21...	--	--	60	--	--	--	--	--	--	--
MAR. 12...	--	--	40	--	--	--	--	--	--	--
APR. 10...	--	--	60	--	--	--	--	--	--	--
MAY 16...	--	--	60	--	--	--	--	--	--	--
22...	140	3	120	10	5	70	0	50	0	130
JUNE 28...	--	--	60	--	--	--	--	--	--	--
JULY 19...	--	--	90	--	--	--	--	--	--	--
AUG. 30...	--	--	100	--	--	--	--	--	--	--
SEP. 18...	--	--	90	--	--	--	--	--	--	--

DATE	DISSOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED MERCURY (HG) (UG/L) (71890)	TOTAL SELENIUM (SE) (UG/L) (01147)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	TOTAL ZINC (ZN) (UG/L) (01092)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 24...	--	--	--	--	--	--	--	--	--	--
NOV. 14...	--	--	--	--	--	--	--	--	--	--
DEC. 19...	--	--	--	--	--	--	--	--	--	--
JAN. 30...	--	--	--	--	--	--	--	--	--	--
FEB. 21...	--	--	--	--	--	--	--	--	--	--
MAR. 12...	--	--	--	--	--	--	--	--	--	--
APR. 10...	--	--	--	--	--	--	--	--	--	--
MAY 16...	--	--	--	--	--	--	--	--	--	--
22...	30	100	1	.6	.4	0	0	0	490	70
JUNE 28...	--	--	--	--	--	--	--	--	--	--
JULY 19...	--	--	--	--	--	--	--	--	--	--
AUG. 30...	--	--	--	--	--	--	--	--	--	--
SEP. 18...	--	--	--	--	--	--	--	--	--	--

DATE	TIME	TEMPERATURE (DEG C) (00010)	DISCHARGE (CFS) (00060)	SUSPENDED SEDIMENT (MG/L) (80154)	SUSPENDED SEDIMENT DISCHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)
MAY 22...	1215	17.5	5890	8100	129000	29	36	54	88	93	98	100

06803080 SALT CREEK ABOVE BEAL SLOUGH, AT LINCOLN, NEBR.

LOCATION.--Lat 40°46'13", long 96°43'05", in SW¼SW¼ sec.2, T.9 N., R.6 E., Lancaster County, at county road bridge 0.9 mi (1.4 km) west of U.S. Highway 77 and of northeast corner of State Penitentiary at Lincoln.

DRAINAGE AREA.--221 mi^2 (572 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1974.

REMARKS.--Some chemical analyses by Surveillance and Analysis Division, U.S. Environmental Protection Agency, Kansas City, Kans.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT.												
23...	1310	316	--	--	--	--	--	--	--	--	--	66
NOV.												
13...	1400	38	--	--	--	--	--	--	--	--	--	91
DEC.												
14...	1100	56	20	91	21	73	5.8	321	0	263	100	70
JAN.												
15...	1130	52	--	--	--	--	--	--	--	--	--	99
FEB.												
06...	1020	93	--	--	--	--	--	--	--	--	--	48
MAR.												
05...	0930	65	--	--	--	--	--	306	0	251	84	57
20...	1100	52	--	--	--	--	--	320	0	262	99	84
APR.												
03...	0910	39	--	--	--	--	--	326	0	267	95	59
15...	1315	64	--	--	--	--	--	342	0	281	97	56
30...	1040	112	--	--	--	--	--	--	--	--	101	20
MAY												
14...	1020	40	--	--	--	--	--	314	0	258	89	44
JUNE												
03...	1345	37	--	--	--	--	--	260	0	213	100	--
13...	1345	23	--	--	--	--	--	320	0	262	114	99
24...	1100	15	--	--	--	--	--	326	0	267	154	145
JULY												
09...	1030	7.0	--	--	--	--	--	332	0	272	111	95
23...	--	4.8	--	--	--	--	--	260	0	213	--	--
23...	1330	--	--	--	--	--	--	--	--	--	145	18
AUG.												
07...	1230	4.9	--	--	--	--	--	332	0	272	133	150
20...	1115	9.2	--	--	--	--	--	272	0	223	118	178
SEP.												
04...	1145	9.3	--	--	--	--	--	288	0	236	197	298
17...	1100	6.0	--	--	--	--	--	296	0	243	150	221

06803080 SALT CREEK ABOVE BEAL SLOUGH, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT. 23...	--	--	.89	.29	1.2	1.5	--	.48	.21	255	--	.35
NOV. 13...	--	--	2.0	.09	.71	.80	--	.38	.32	619	--	.84
DEC. 14...	.3	--	1.9	.11	.51	.62	--	--	.21	552	548	.75
JAN. 15...	--	2.2	2.2	.25	.61	.86	3.1	.29	.22	643	--	.87
FEB. 06...	--	2.4	2.3	.21	.68	.89	3.3	.31	.14	489	--	.67
MAR. 05...	--	1.3	--	.01	.59	.60	1.9	.20	--	--	--	--
20...	--	.80	--	.03	.67	.70	1.5	.10	--	--	--	--
APR. 03...	--	.70	--	.13	.57	.70	1.4	.30	--	--	--	--
15...	--	1.6	--	.19	1.1	1.3	2.9	.60	--	--	--	--
30...	--	2.8	--	.46	3.0	3.5	6.3	1.1	--	--	--	--
MAY 14...	--	1.3	--	.18	.92	1.1	2.4	.53	--	--	--	--
JUNE 03...	--	1.0	--	.31	.90	1.2	2.2	.40	--	--	--	--
13...	--	1.3	--	.16	.88	1.0	2.3	.53	--	--	--	--
24...	--	.70	--	.06	.62	.68	1.4	.39	--	--	--	--
JULY 09...	--	.20	--	.06	.48	.54	.74	.32	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	<.03	--	.10	.42	.52	--	.27	--	--	--	--
AUG. 07...	--	<.04	--	.08	.36	.44	--	.33	--	--	--	--
20...	--	.70	--	.11	.90	1.0	1.7	.48	--	--	--	--
SEP. 04...	--	.10	--	.14	.43	.57	.67	.34	--	--	--	--
17...	--	.40	--	.18	2.0	2.2	2.6	.29	--	--	--	--

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)
OCT. 23...	218	--	--	--	365	7.4	16.0	--	180	8.9	4.4	2000
NOV. 13...	63.5	--	--	--	975	7.5	10.0	--	25	10.2	2.1	280
DEC. 14...	83.5	310	50	1.8	909	7.5	1.0	6	25	9.3	1.7	163
JAN. 15...	90.3	--	--	--	1020	7.3	2.0	--	10	9.0	2.2	630
FEB. 06...	123	--	--	--	771	7.8	.5	--	25	12.2	3.4	150
MAR. 05...	--	--	--	--	--	7.3	6.0	--	20	9.8	--	40
20...	--	--	--	--	--	7.8	4.0	--	10	10.8	2.6	60
APR. 03...	--	--	--	--	--	7.9	11.5	--	15	8.2	--	40
15...	--	--	--	--	--	7.8	8.0	--	30	10.2	--	15800
30...	--	--	--	--	--	7.5	15.0	--	300	7.2	8.8	40000
MAY 14...	--	--	--	--	--	7.5	16.5	--	55	8.2	5.0	5300
JUNE 03...	--	--	--	--	--	7.6	22.5	--	50	7.4	2.6	533
13...	--	--	--	--	--	7.9	23.0	--	35	9.4	4.3	1870
24...	--	--	--	--	--	7.7	21.0	--	30	7.8	--	165
JULY 09...	--	--	--	--	--	7.4	24.5	--	25	6.2	4.0	825
23...	--	--	--	--	--	7.6	26.5	--	20	10.5	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 07...	--	--	--	--	--	7.2	16.5	--	20	8.9	5.4	11300
20...	--	--	--	--	--	7.2	23.0	--	50	5.9	--	7000
SEP. 04...	--	--	--	--	--	7.7	15.0	--	30	9.3	3.3	3300
17...	--	--	--	--	--	7.0	17.2	--	15	7.2	3.3	933

06803080 SALT CREEK ABOVE BEAL SLOUGH, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	ALDRIN (UG/L) (39330)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI-AZINON (UG/L) (39570)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	ETHION (UG/L) (39398)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)
OCT.												
23...	5100	--	--	--	--	--	--	--	--	--	--	--
NOV.												
13...	560	--	--	--	--	--	--	--	--	--	--	--
DEC.												
14...	1520	--	--	--	--	--	--	--	--	--	--	--
JAN.												
15...	296	.00	.0	.00	.00	.00	.00	.00	.00	--	.00	.00
FEB.												
06...	580	--	--	--	--	--	--	--	--	--	--	--
MAR.												
05...	220	--	--	--	--	--	--	--	--	--	--	--
20...	67	--	--	--	--	--	--	--	--	--	--	--
APR.												
03...	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--
30...	42000	--	--	--	--	--	--	--	--	--	--	--
MAY												
14...	--	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUNE												
03...	--	--	--	--	--	--	--	--	--	--	--	--
13...	630	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
09...	280	--	--	--	--	--	--	--	--	--	--	--
23...	--	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
23...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
07...	2250	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
04...	620	.00	.0	.00	.00	.00	.00	.00	.00	--	.00	.00
17...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	LINDANE (UG/L) (39340)	MALA-THION (UG/L) (39530)	METHYL PARA-THION (UG/L) (39600)	METHYL TRI-THION (UG/L) (39790)	PARA-THION (UG/L) (39540)	PCB (UG/L) (39516)	TOX-APHENE (UG/L) (39400)	TRI-THION (UG/L) (39786)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.												
23...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
13...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
14...	--	--	--	--	--	--	--	--	--	--	--	80
JAN.												
15...	.00	.00	.00	--	.00	.0	--	--	.00	.00	.00	--
FEB.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
05...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
03...	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
14...	.00	.00	.00	.00	.00	.0	0	.00	.10	.01	.01	--
JUNE												
03...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
09...	--	--	--	--	--	--	--	--	--	--	--	--
23...	.00	.01	.00	.00	.00	.0	0	.00	.09	.00	.00	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
07...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
04...	.00	.00	.00	--	.00	.0	0	--	.05	.00	.00	--
17...	--	--	--	--	--	--	--	--	--	--	--	--

06803080 SALT CREEK ABOVE BEAL SLOUGH, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	TOTAL IRON (FE) (UG/L) (01045)	TOTAL CAL-CIUM (CA) (MG/L) (00916)	TOTAL MAG-NE-SIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL PO-TAS-SIUM (K) (MG/L) (00937)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
MAR.												
05...	0930	65	1950	53	22	58	5.5	84	57	1.3	.01	.60
20...	1100	52	1580	54	23	72	4.9	99	84	.80	.03	.70
APR.												
03...	0910	39	620	82	23	74	6.3	95	59	.70	.13	.70
15...	1315	64	3110	53	23	67	7.1	97	56	1.6	.19	1.3
30...	1040	112	34300	42	23	39	11	101	20	2.8	.46	3.5
MAY												
14...	1020	40	5700	50	21	56	7.0	89	44	1.3	.18	1.1
JUNE												
03...	1345	37	5950	36	18	68	5.7	100	--	1.0	.31	1.2
13...	1345	23	3340	89	23	81	55	114	99	1.3	.16	1.0
24...	1100	15	3080	94	24	8.0	5.6	154	145	.70	.06	.68
JULY												
09...	1030	7.0	1930	93	21	88	5.4	111	95	.20	.06	.54
23...	1330	--	2340	97	33	170	5.9	145	18	<.03	.10	.52
AUG.												
07...	1230	4.9	2730	95	24	117	5.7	133	150	<.04	.08	.44
20...	1115	9.2	4740	87	20	139	6.4	118	178	.70	.11	1.0
SEP.												
04...	1145	9.3	2090	114	29	201	7.1	197	298	.10	.14	.57
17...	1100	6.0	1410	93	24	159	5.7	150	221	.40	.18	2.2

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	TUR-BID-ITY (NTU) (00076)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	TOTAL COPPER (CU) (UG/L) (01042)	TOTAL LEAD (PB) (UG/L) (01051)	TOTAL MERCURY (HG) (UG/L) (71900)	TOTAL ZINC (ZN) (UG/L) (01092)
MAR.											
05...	.20	520	11	--	6.0	12	16	12	<50	.5	53
20...	.10	524	6	--	5.5	9	16	10	<50	<.5	158
APR.											
03...	.30	506	6	20	4.5	8	<5	<5	<50	.2	34
15...	.60	612	18	26	12	7	16	13	<50	--	185
30...	1.1	374	200	77	16	7	38	38	70	.4	123
MAY											
14...	.53	486	51	23	10	6	8	15	70	.2	43
JUNE											
03...	.40	--	--	23	6.0	5	8	15	50	1.0	68
13...	.53	588	32	21	5.0	<5	7	10	70	.7	93
24...	.39	720	26	19	8.0	18	<5	11	30	.4	212
JULY											
09...	.32	650	25	--	15	<5	<5	11	30	.3	66
23...	.27	850	16	30	12	<5	5	10	40	.6	41
AUG.											
07...	.33	736	10	19	--	<5	8	113	30	.3	122
20...	.48	754	42	15	--	<5	9	10	30	.4	70
SEP.											
04...	.34	1100	14	20	11	--	<5	84	<50	2.8	219
17...	.29	810	--	12	8.0	--	<5	39	<50	1.6	4

06803500 SALT CREEK AT LINCOLN, NEBR.

LOCATION.--Lat 40°50'49", long 96°40'54", in NW¼SW¼ sec.7, T.10 N., R.7 E., Lancaster County, at gaging station at bridge on North 27th Street at north edge of Lincoln, 1 mi (1.6 km) downstream from Oak Creek.

DRAINAGE AREA.--684 mi^2 (1,771 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1968 to September 1974.
Water temperatures: May to September 1951, October 1968 to September 1974.
Sediment records: March to September 1951, March 1952 to September 1954.

EXTREMES.--1973-74:
Specific conductance: Maximum daily, 6,040 micromhos July 2; minimum daily, 170 micromhos Oct. 11.
Water temperatures: Maximum, 36.5°C June 20; minimum, freezing point Feb. 3, 6, 7.

Period of record:
Specific conductance: Maximum daily, 37,500 micromhos Oct. 3, 1973; minimum daily, 170 micromhos Oct. 11, 1973.
Water temperatures (1968-74): Maximum, 36.5°C June 20, 1974; minimum, freezing point on several days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
OCT. 11...	1350	21200	--	--	--	--	--	--	--	--	--	--
NOV. 13...	1230	197	--	--	--	--	--	--	--	--	--	--
DEC. 14...	1300	160	24	--	--	--	98	25	560	13	360	0
JAN. 15...	1310	222	--	--	--	--	--	--	--	--	--	--
FEB. 06...	1300	303	--	--	--	--	--	--	--	--	--	--
MAR. 14...	1320	270	20	20	30	240	96	26	500	13	342	0
APR. 24...	1430	208	--	--	--	--	--	--	--	--	--	--
MAY 15...	1415	197	--	--	--	--	--	--	--	--	--	--
JUNE 13...	1245	180	24	--	--	--	97	28	630	12	384	--
JULY 17...	1000	110	--	--	--	--	--	--	--	--	--	--
AUG. 13...	1115	93	--	--	--	--	--	--	--	--	--	--
SEP. 12...	1115	100	26	--	--	--	78	23	920	22	354	0

DATE	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)
OCT. 11...	--	--	11	--	--	--	--	.67	.73	2.3	3.0	1.1
NOV. 13...	--	--	920	--	--	--	--	1.6	3.5	1.9	5.4	2.5
DEC. 14...	295	180	780	.5	--	--	--	1.6	3.3	3.0	6.3	2.9
JAN. 15...	--	--	640	--	--	--	1.5	1.5	1.5	2.5	4.0	1.7
FEB. 06...	--	--	570	--	--	--	3.2	1.7	2.6	--	--	2.7
MAR. 14...	281	160	710	1.2	1.6	.03	2.2	1.6	3.4	2.2	5.6	2.6
APR. 24...	--	--	830	--	--	--	.08	1.1	5.1	1.8	6.9	.30
MAY 15...	--	--	720	--	--	--	.55	.48	5.8	3.0	8.8	3.5
JUNE 13...	315	190	870	.8	--	--	5.0	4.9	2.5	3.4	5.9	3.0
JULY 17...	--	--	1700	--	--	--	.74	.70	9.3	1.7	11	4.6
AUG. 13...	--	--	1100	--	--	--	1.0	.88	5.6	6.4	12	6.3
SEP. 12...	290	230	1200	.8	7.4	.00	7.5	7.4	3.3	2.3	5.6	6.6

06803500 SALT CREEK AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
OCT. 11...	.18	116	--	.16	6640	--	--	--	155	6.8	10.0	--
NOV. 13...	2.1	2140	--	2.91	1140	--	--	--	3685	7.5	15.0	--
DEC. 14...	2.2	1890	1870	2.57	816	350	52	13	3255	7.3	5.0	10
JAN. 15...	1.5	1610	--	2.19	965	--	--	--	2830	7.6	4.5	--
FEB. 06...	2.0	1480	--	2.01	1210	--	--	--	2720	7.5	1.5	--
MAR. 14...	2.3	--	1700	2.31	1240	350	67	12	3140	7.6	9.0	20
APR. 24...	.14	1960	--	2.67	1100	--	--	--	3460	7.5	16.0	--
MAY 15...	2.9	1790	--	2.43	952	--	--	--	3190	7.6	20.0	--
JUNE 13...	2.3	2140	2060	2.91	1040	360	43	15	3770	7.4	23.0	20
JULY 17...	4.5	3620	--	4.92	1080	--	--	--	6370	7.7	25.0	--
AUG. 13...	4.8	2630	--	3.58	660	--	--	--	4600	7.2	23.5	--
SEP. 12...	4.6	--	2710	3.69	732	290	0	24	4880	7.5	15.0	30

DATE	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
OCT. 11...	1300	7.9	10	86700	154000	--	--	--	--	--	--	--
NOV. 13...	15	9.7	13	370000	76000	--	--	--	--	--	--	--
DEC. 14...	25	8.3	--	260000	98000	--	--	--	--	270	--	--
JAN. 15...	20	8.0	17	48000	37200	--	--	--	--	--	--	--
FEB. 06...	40	10.8	16	710000	330000	--	--	--	--	--	--	--
MAR. 14...	15	9.3	16	150000	33000	.4	7	100	0	240	1	0
APR. 24...	35	7.3	--	--	114000	--	--	--	--	--	--	--
MAY 15...	30	5.8	29	800000	130000	--	--	--	--	--	--	--
JUNE 13...	25	4.8	42	1130000	89000	--	--	--	--	330	--	--
JULY 17...	35	6.1	34	330000	44400	--	--	--	--	--	--	--
AUG. 13...	70	.6	71	1100000	260000	--	--	--	--	--	--	--
SEP. 12...	10	3.2	15	1330000	58000	--	5	--	--	480	--	--

DATE	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 11...	--	--	--	--	--	--	--	--	--	--	--	--
NOV. 13...	--	--	--	--	--	--	--	--	--	--	--	--
DEC. 14...	--	--	--	--	--	--	--	--	--	--	--	--
JAN. 15...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 06...	--	--	--	--	--	--	--	--	--	--	--	--
MAR. 14...	2	10	2	0	.0	4	10	6	0	800	4.8	50
APR. 24...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 15...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 13...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 17...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 13...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 12...	--	--	--	--	--	--	--	--	--	960	9.0	--

06803500 SALT CREEK AT LINCOLN, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1340	2500	2370	2800	1600	2360	3280	2100	2580	5930	5110	5120
2	1560	2520	2490	2850	1900	2460	3500	2430	2880	6040	4850	4480
3	1720	2740	2430	2880	2070	2420	3370	2530	2960	5060	5730	4310
4	1880	2940	2470	2940	2180	2400	2960	2780	3130	5230	5120	4530
5	2130	3220	2470	2980	2200	2480	3150	2950	3230	4720	5150	4270
6	2320	3250	2950	3020	2450	2560	3400	3060	2290	4720	5040	4530
7	2450	3100	2870	2960	2320	2620	3300	3260	2600	4840	5260	4440
8	2570	3250	2580	2980	2450	2720	3240	3250	2880	4590	4770	4670
9	2410	3470	2600	3010	2460	2830	3480	2900	2620	4930	2070	4280
10	293	3660	3030	3030	2510	2920	3660	3060	2910	5070	3650	4230
11	170	3340	2800	2950	2510	2870	3050	1260	3110	4610	4330	4920
12	278	3290	2800	3060	2060	2570	2910	1760	3420	4420	4210	5080
13	419	3100	2920	3080	1530	2700	3120	2400	3410	4520	4310	5080
14	578	3190	2850	2960	1540	2840	1380	2570	3520	4470	4710	4770
15	676	3190	345	2930	1980	2630	1990	2880	3670	4470	4390	5220
16	742	3190	2620	2520	2140	2670	2230	3040	3980	5010	1420	4530
17	833	3220	1510	2290	1990	2950	2450	3080	4040	4870	1910	4730
18	895	3190	2600	1740	1560	2920	2560	490	4090	4550	3620	4770
19	992	3320	2550	1530	1820	2950	2680	735	4210	4400	3940	4880
20	1100	2010	2470	1520	1950	3050	2800	1170	4380	5150	4040	5160
21	1220	680	2470	1440	1990	3110	1320	586	4440	5670	4320	5540
22	1320	1110	931	1490	1920	2960	2250	1150	4500	5480	4240	5810
23	1470	1540	1090	1740	2160	3180	2600	1620	4980	5590	4110	5140
24	1640	1480	1940	1770	2120	3340	2820	1860	4890	5590	4580	5440
25	1820	1580	1580	1810	2440	3240	2890	2130	4980	5650	4430	5650
26	1990	1760	1770	1280	1990	3130	2910	2180	4980	4770	3980	5280
27	2150	1840	1900	1310	2090	3180	2920	2350	5140	5150	4110	5360
28	2290	2010	2100	1730	2270	3200	571	2400	5490	5070	4460	5800
29	2480	2110	2300	1830	---	3270	1090	2520	5670	5150	4860	5590
30	2590	2180	2460	1450	---	3270	1740	556	5670	4530	4330	5500
31	2570	---	2600	1280	---	3440	---	1920	---	4510	4100	---
MONTH	1510	2600	2290	2300	2080	2880	2650	2160	3890	4990	4230	4970

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.0	10.0	5.5	1.0	1.0	9.0	15.5	20.0	25.5	26.5	24.5	19.0
2	20.0	9.0	10.0	1.0	2.0	11.0	18.0	21.0	24.5	28.0	24.5	19.0
3	16.5	8.0	4.5	1.0	0.0	12.0	8.5	20.0	26.5	26.5	23.5	22.0
4	18.0	4.5	2.0	1.0	1.0	10.0	10.0	21.0	25.5	25.5	25.5	23.5
5	18.0	9.0	2.0	1.5	1.0	11.0	13.5	20.0	26.5	26.5	21.0	22.0
6	15.5	6.5	2.0	2.0	0.0	13.5	14.5	21.0	22.0	29.0	24.5	23.5
7	18.0	8.0	2.0	2.0	0.0	10.0	12.0	21.0	23.5	26.5	22.0	24.5
8	16.5	4.5	4.5	2.0	1.0	13.5	15.5	21.0	18.0	26.5	24.5	25.5
9	21.0	4.5	3.5	2.0	1.0	9.0	16.5	19.0	19.0	29.5	23.5	24.5
10	15.5	5.5	9.0	2.0	4.5	6.5	14.5	15.5	23.5	26.5	24.5	25.5
11	14.5	8.0	10.0	2.0	6.5	8.0	16.5	17.0	23.5	26.5	26.5	21.0
12	14.5	10.0	4.5	2.0	6.5	6.5	12.0	20.0	24.5	26.5	28.0	18.0
13	15.5	12.0	5.5	2.0	5.5	10.0	11.0	22.0	28.0	28.0	26.5	21.0
14	16.5	10.0	4.0	3.5	2.0	10.0	10.0	20.0	31.0	26.5	26.5	21.0
15	15.5	10.0	4.0	3.5	3.5	9.0	11.0	21.0	20.0	25.5	25.5	24.5
16	14.5	9.0	5.0	2.0	6.5	8.0	15.5	19.0	25.5	25.5	25.5	24.5
17	15.5	10.0	4.0	2.0	9.0	9.0	15.5	18.0	25.5	26.5	25.5	24.5
18	15.5	8.0	2.0	1.0	5.5	9.0	20.0	17.0	26.5	28.0	25.5	25.5
19	15.5	8.0	1.5	1.0	6.5	10.0	20.0	21.0	29.0	27.0	28.0	22.0
20	15.5	6.5	1.0	2.0	8.0	4.5	16.5	24.5	36.5	30.0	26.5	21.0
21	16.5	5.5	2.0	1.0	3.5	8.0	18.0	21.0	31.0	26.5	24.5	21.0
22	18.0	5.5	3.5	1.0	4.5	3.5	18.0	23.5	23.0	26.5	26.5	20.0
23	18.0	5.5	3.0	1.0	1.0	6.5	18.0	23.5	24.5	29.0	25.5	20.0
24	15.5	6.5	3.5	2.0	2.0	6.5	15.5	23.5	25.5	26.5	24.5	21.0
25	15.5	5.5	3.5	3.5	4.5	9.0	21.0	23.0	25.5	29.0	26.5	22.0
26	14.5	6.5	3.5	8.0	6.5	12.0	21.0	18.0	26.5	26.5	26.5	22.0
27	13.5	5.5	3.5	3.5	6.5	15.5	24.5	23.5	26.5	25.5	24.5	22.0
28	10.0	5.5	3.0	3.5	8.0	15.5	16.5	26.5	26.5	26.5	25.5	19.0
29	11.0	6.5	2.0	4.5	---	13.5	19.0	25.5	28.0	25.5	25.5	21.0
30	11.0	5.5	2.0	5.5	---	15.5	21.0	23.5	24.5	28.0	24.5	19.0
31	10.0	---	1.0	1.0	---	19.0	---	23.5	---	26.5	21.0	---
MONTH	15.5	7.5	4.0	2.5	4.0	10.0	16.0	21.0	25.5	27.0	25.0	22.0

06803525 SALT CREEK BELOW STEVENS CREEK NEAR WAVERLY, NEBR.

LOCATION.--Lat 40°54'18", long 96°35'09", in NW¼SW¼ sec.24, T.11 N., R.7 E., Lancaster County, at bridge 0.5 mi (0.8 km) north of Interstate Highway 80 and 3 mi (4.8 km) southwest of Waverly.

DRAINAGE AREA.--815 mi^2 (2,111 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1974.

REMARKS.--Some chemical analyses by Surveillance and Analysis Division, U.S. Environmental Protection Agency, Kansas City, Kans.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT.												
23...	1110	571	--	--	--	--	--	--	--	--	--	93
NOV.												
13...	1040	236	--	--	--	--	--	--	--	--	--	980
DEC.												
07...	1300	240	20	97	28	680	12	362	0	297	210	960
JAN.												
16...	0940	269	--	--	--	--	--	--	--	--	--	820
FEB.												
06...	1350	304	--	--	--	--	--	--	--	--	--	620
MAR.												
05...	1100	200	--	--	--	--	--	363	0	298	160	684
20...	1300	243	--	--	--	--	--	370	0	303	192	892
APR.												
03...	1000	185	--	--	--	--	--	364	0	299	--	1000
15...	1315	710	--	--	--	--	--	316	0	259	160	502
30...	0930	622	--	--	--	--	--	--	--	--	148	278
MAY												
14...	0915	190	--	--	--	--	--	356	0	292	204	699
JUNE												
03...	1530	259	--	--	--	--	--	348	0	285	173	892
13...	0910	193	--	--	--	--	--	386	0	317	235	1040
24...	1010	120	--	--	--	--	--	410	0	336	--	1550
JULY												
09...	0930	76	--	--	--	--	--	406	0	333	388	2100
23...	0930	70	--	--	--	--	--	406	0	333	356	554
AUG.												
07...	1110	71	--	--	--	--	--	396	0	325	366	1940
20...	1000	105	--	--	--	--	--	324	0	266	286	1406
SEP.												
04...	1015	96	--	--	--	--	--	388	0	318	322	1636
17...	0930	80	--	--	--	--	--	412	0	338	340	1780

06803525 SALT CREEK BELOW STEVENS CREEK NEAR WAVERLY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT.												
23...	--	--	1.1	.71	1.5	2.2	--	.85	.53	986	--	1.34
NOV.												
13...	--	--	1.5	2.1	1.2	3.3	--	2.0	1.9	2280	--	3.10
DEC.												
07...	.3	--	1.5	1.7	1.2	2.9	--	1.4	1.1	2240	2190	3.05
JAN.												
16...	--	1.8	1.8	2.4	1.1	3.5	5.3	1.5	1.4	1900	--	2.58
FEB.												
06...	--	1.9	1.8	1.3	1.0	2.3	4.2	.99	.72	1570	--	2.14
MAR.												
05...	--	1.3	--	1.2	1.0	2.3	3.6	1.2	--	--	--	--
20...	--	.90	--	1.3	1.0	2.4	3.3	1.0	--	--	--	--
APR.												
03...	--	.50	--	2.1	1.3	3.4	3.9	1.7	--	--	--	--
15...	--	1.5	--	.87	2.2	3.1	4.6	1.5	--	--	--	--
30...	--	1.0	--	.81	3.3	4.1	5.1	1.8	--	--	--	--
MAY												
14...	--	--	--	1.3	.87	2.2	--	1.7	--	--	--	--
JUNE												
03...	--	1.1	--	1.0	1.1	2.2	3.3	1.0	--	--	--	--
13...	--	.90	--	2.0	.90	2.9	3.8	2.1	--	--	--	--
24...	--	.50	--	.14	1.9	2.0	2.5	2.4	--	--	--	--
JULY												
09...	--	.30	--	5.0	1.6	6.6	6.9	5.2	--	--	--	--
23...	--	.10	--	4.9	2.0	6.9	7.0	4.9	--	--	--	--
AUG.												
07...	--	.05	--	7.2	.60	7.8	7.8	5.6	--	--	--	--
20...	--	.80	--	3.9	1.6	5.5	6.3	3.4	--	--	--	--
SEP.												
04...	--	.30	--	5.7	.80	6.5	6.8	4.8	--	--	--	--
17...	--	.20	--	6.6	2.3	8.9	9.1	5.5	--	--	--	--

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)
OCT.												
23...	1520	--	--	--	1750	--	15.0	--	120	8.1	9.9	93000
NOV.												
13...	1450	--	--	--	3850	7.5	12.0	--	15	7.9	11	380000
DEC.												
07...	1450	360	61	16	3740	7.5	1.5	9	25	11.3	7.0	93000
JAN.												
16...	1380	--	--	--	3170	7.6	2.0	--	50	8.0	11	66100
FEB.												
06...	1290	--	--	--	2700	7.9	1.0	--	30	12.1	.8	66700
MAR.												
05...	--	--	--	--	--	7.7	6.5	--	25	9.0	--	120000
20...	--	--	--	--	--	7.7	3.5	--	15	11.6	2.0	42000
APR.												
03...	--	--	--	--	--	7.7	10.5	--	20	7.6	--	193000
15...	--	--	--	--	--	7.6	8.5	--	200	8.8	--	58000
30...	--	--	--	--	--	7.6	16.0	--	360	5.8	20	167000
MAY												
14...	--	--	--	--	--	7.5	16.0	--	40	5.0	12	270000
JUNE												
03...	--	--	--	--	--	7.5	25.0	--	80	5.4	10	63000
13...	--	--	--	--	--	7.5	20.0	--	10	2.8	30	320000
24...	--	--	--	--	--	7.6	20.0	--	10	5.8	--	--
JULY												
09...	--	--	--	--	--	7.7	24.0	--	10	6.9	13	290000
23...	--	--	--	--	--	7.5	22.5	--	10	4.0	--	1100000
AUG.												
07...	--	--	--	--	--	7.5	17.0	--	7	3.8	14	685000
20...	--	--	--	--	--	7.4	22.0	--	85	3.4	--	780000
SEP.												
04...	--	--	--	--	--	7.3	15.5	--	9	5.3	11	1770000
17...	--	--	--	--	--	7.2	17.7	--	9	3.4	17	2900000

06803525 SALT CREEK BELOW STEVENS CREEK NEAR WAVERLY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	ALDRIN (UG/L) (39330)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI-AZINON (UG/L) (39570)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	ETHION (UG/L) (39398)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)
OCT. 23...	44000	--	--	--	--	--	--	--	--	--	--	--
NOV. 13...	74000	--	--	--	--	--	--	--	--	--	--	--
DEC. 07...	27000	--	--	--	--	--	--	--	--	--	--	--
JAN. 16...	66000	.00	.0	.00	.01	.02	.07	.01	.00	--	.00	.00
FEB. 06...	48000	--	--	--	--	--	--	--	--	--	--	--
MAR. 05...	16000	--	--	--	--	--	--	--	--	--	--	--
20...	25000	--	--	--	--	--	--	--	--	--	--	--
APR. 03...	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--
30...	50000	--	--	--	--	--	--	--	--	--	--	--
MAY 14...	--	.00	.0	.00	.00	.00	.09	.00	.00	.00	.00	.00
JUNE 03...	--	--	--	--	--	--	--	--	--	--	--	--
13...	25000	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 09...	23000	--	--	--	--	--	--	--	--	--	--	--
23...	--	.00	<.1	.00	.00	.00	.30	.00	.00	.00	.00	.00
AUG. 07...	24000	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 04...	142000	.01	.1	.00	.00	.00	.18	.01	.00	--	.00	.00
17...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	LINDANE (UG/L) (39340)	MALA-THION (UG/L) (39530)	METHYL PARA-THION (UG/L) (39600)	METHYL TRI-THION (UG/L) (39790)	PARA-THION (UG/L) (39540)	PCB (UG/L) (39516)	TOX-APHENE (UG/L) (39400)	TRI-THION (UG/L) (39786)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 23...	--	--	--	--	--	--	--	--	--	--	--	--
NOV. 13...	--	--	--	--	--	--	--	--	--	--	--	--
DEC. 07...	--	--	--	--	--	--	--	--	--	--	--	320
JAN. 16...	.01	.00	.00	--	.00	.0	--	--	.00	.00	.00	--
FEB. 06...	--	--	--	--	--	--	--	--	--	--	--	--
MAR. 05...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
APR. 03...	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 14...	.00	.00	.00	.00	.00	.0	0	.00	.17	.01	.01	--
JUNE 03...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 09...	--	--	--	--	--	--	--	--	--	--	--	--
23...	<.10	.00	.00	.00	.00	.0	0	.00	3.2	.01	.02	--
AUG. 07...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 04...	.02	.05	.00	--	.00	.0	0	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--

06803525 SALT CREEK BELOW STEVENS CREEK NEAR WAVERLY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	TOTAL IRON (FE) (UG/L) (01045)	TOTAL CAL-CIUM (CA) (MG/L) (00916)	TOTAL MAG-NE-SIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL PO-TAS-SIUM (K) (MG/L) (00937)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
MAR.												
05...	1100	200	1400	95	28	506	12	160	684	1.3	1.2	2.3
20...	1300	243	1410	59	28	680	10	192	892	.90	1.3	2.4
APR.												
03...	1000	185	1550	45	26	786	11	--	1000	.50	2.1	3.4
15...	1315	710	18000	45	25	358	14	160	582	1.5	.87	3.1
30...	0930	622	47800	54	29	23	--	148	278	1.0	.81	4.1
MAY												
14...	0915	190	7100	42	26	525	11	204	699	--	1.3	2.2
JUNE												
03...	1530	259	6610	49	26	9.0	1.9	173	892	1.1	1.0	2.2
13...	0910	193	2120	98	29	737	10	235	1040	.90	2.0	2.9
24...	1010	120	1160	98	30	1063	19	--	1550	.50	.14	2.0
JULY												
09...	0930	76	1130	99	32	1431	--	388	2100	.30	5.0	6.6
23...	0930	70	850	100	34	1530	14	356	554	.10	4.9	6.9
AUG.												
07...	1110	71	1920	97	32	1580	15	366	1940	.05	7.2	7.8
20...	1000	105	3330	90	26	959	13	286	1406	.80	3.9	5.5
SEP.												
04...	1015	96	580	90	30	1110	16	322	1636	.30	5.7	6.5
17...	0930	89	430	91	32	1120	16	340	1780	.20	6.6	8.9

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	TUR-BID-ITY (NTU) (00076)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	TOTAL COPPER (CU) (UG/L) (01042)	TOTAL LEAD (PB) (UG/L) (01051)	TOTAL MERCURY (HG) (UG/L) (71900)	TOTAL ZINC (ZN) (UG/L) (01092)
MAR.											
05...	1.2	1680	28	--	6.5	<5	5	11	<50	2.2	49
20...	1.0	21540	6	--	8.0	19	19	17	70	1.6	116
APR.											
03...	1.7	2210	7	22	7.5	15	20	21	<50	1.0	91
15...	1.5	1340	120	75	8.0	211	32	27	70	.4	163
30...	1.8	866	205	107	13	15	44	55	120	1.2	191
MAY											
14...	1.7	1664	105	43	8.0	13	11	24	110	.6	76
JUNE											
03...	1.0	2144	55	40	10	<5	7	15	40	1.0	141
13...	2.1	2462	14	40	19	10	10	19	70	.8	74
24...	2.4	2084	11	34	13	11	<5	15	100	.4	98
JULY											
09...	5.2	4316	9	--	9.0	15	16	28	80	1.1	136
23...	4.9	4300	6	167	19	10	15	17	110	.5	52
AUG.											
07...	5.6	4260	4	81	--	11	25	338	140	--	249
20...	3.4	3140	27	39	--	<5	18	17	110	--	150
SEP.											
04...	4.8	3662	5	41	18	--	13	29	<50	1.9	127
17...	5.5	3730	--	--	16	--	5	37	<50	4.6	167

06803530 ROCK CREEK NEAR CERESCO, NEBR.

LOCATION.--Lat 41°00'56", long 96°32'39", in NE¼NE¼ sec.17, T.12 N., R.8 E., Lancaster County, at gaging station at county road bridge 5.7 mi (9.1 km) southeast of Ceresco.

DRAINAGE AREA.--119 mi^2 (308 km^2).

PERIOD OF RECORD.--Chemical analyses: April 1970 to September 1974.
Water temperatures: April 1970 to September 1974.

EXTREMES.--1973-74:
Specific conductance: Maximum daily, 1,880 micromhos Jan. 23; minimum daily, 144 micromhos Oct. 11.
Water temperatures: Maximum, 37.0°C July 2; minimum, freezing point on many days during November to February.

Period of record:
Specific conductance: Maximum daily, 5,160 micromhos July 5, 1970; minimum daily, 144 micromhos Oct. 11, 1973.
Water temperatures: Maximum, 39.5°C July 17, 1970; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT.										
10...	1720	407	--	--	--	--	--	--	--	--
11...	1205	2690	--	--	--	--	--	--	--	--
DEC.										
27...	1400	25	24	97	29	260	8.5	399	0	327
MAR.										
14...	0950	25	16	84	25	190	7.7	372	0	305
JUNE										
14...	1040	14	27	77	20	140	6.7	349	--	286
AUG.										
16...	1210	170	--	--	--	--	--	--	--	--
SEP.										
25...	0930	4.9	28	69	19	180	7.7	315	--	258
25...	0950	4.9	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)
OCT.										
10...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
DEC.										
27...	180	310	.4	2.4	2.4	.19	.81	1.0	3.4	.21
MAR.										
14...	140	200	.9	2.2	2.2	.24	.23	.47	2.7	.21
JUNE										
14...	97	130	.5	1.9	1.9	.19	1.6	1.8	3.7	.60
AUG.										
16...	--	--	--	--	--	--	--	--	--	--
SEP.										
25...	120	190	.5	.43	.31	.11	.68	.79	1.2	.39
25...	--	--	--	--	--	--	--	--	--	--

06803530 ROCK CREEK NEAR CERESCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT.									
10...	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--
DEC.									
27...	.18	1130	1120	1.54	76.3	360	34	6.0	1900
MAR.									
14...	.15	855	857	1.16	57.7	310	8	4.7	1460
JUNE									
14...	.30	687	679	.93	26.0	270	0	3.7	1160
AUG.									
16...	--	--	--	--	--	--	--	--	--
SEP.									
25...	.28	775	771	1.05	10.3	250	0	5.0	1290
25...	--	--	--	--	--	--	--	--	--

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
10...	--	15.0	--	--	--	--	--	--	--
11...	--	15.0	--	--	--	--	--	--	--
DEC.									
27...	7.1	.5	5	13	11.4	1.4	320	950	220
MAR.									
14...	7.9	6.0	30	10	10.0	5.0	110	60	150
JUNE									
14...	7.8	24.0	20	65	7.7	2.1	1270	900	210
AUG.									
16...	--	23.0	--	--	--	--	--	--	--
SEP.									
25...	7.8	13.5	10	40	7.4	3.2	667	760	450
25...	--	--	--	--	--	--	--	--	--

06803530 ROCK CREEK NEAR CERESCO, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	936	1130	1140	519	1270	1290	1200	1370	1060	1240	1340	1240
2	1060	1110	1310	1700	1380	1300	1210	1300	1170	1260	1330	1250
3	1150	1100	1230	1790	1550	1290	1340	1240	1170	1270	1300	1260
4	1180	1120	1200	1770	1460	1340	1370	1250	1120	1270	1250	1210
5	1200	1140	1360	1620	1400	1360	1270	1240	1060	1320	1230	1240
6	1240	1160	1400	1620	1430	1350	1200	1210	650	1320	1220	1220
7	1250	1150	1240	1570	1470	1320	1130	1170	826	1320	1250	1350
8	1270	1160	1140	1520	1410	1300	1120	1180	1050	1320	1270	1270
9	871	1140	1360	1520	1290	1340	1190	1260	720	1340	1170	1330
10	145	1140	1300	1500	1290	1320	1200	1180	926	1330	1420	1280
11	144	1160	1260	1480	1250	1310	1440	706	1070	1380	1250	1300
12	572	1180	1300	1530	714	1470	1330	1000	1120	1350	1140	1310
13	842	1200	1550	1580	680	1430	1290	1230	1150	1330	1140	1090
14	988	1210	1400	1550	769	1400	1010	1220	1140	1350	1150	1280
15	1080	1270	1420	1560	1110	1500	1270	1220	1160	1340	1610	1210
16	1120	1250	1320	1440	1230	1410	1600	1220	1110	1340	756	1260
17	1160	1220	1300	1440	1010	1400	1530	1200	1160	1380	824	1300
18	1180	1210	1680	1420	825	1370	1400	519	1160	1470	900	1310
19	1160	1220	1230	1580	953	1330	1360	955	1100	1490	1130	1250
20	1220	1220	1280	1540	1100	1280	1340	1150	1180	1450	1200	1270
21	1200	673	1300	1560	1200	1340	1320	283	1150	1450	1180	1360
22	1200	840	667	1700	1250	1420	1220	978	1220	1400	1180	1270
23	1200	1000	1290	1880	1230	1360	1210	1100	1190	1360	1180	1240
24	1180	1120	1220	1840	1690	1230	1230	1190	1180	1420	1160	1320
25	1170	1270	1440	1680	1280	1320	1240	1190	1160	1350	1160	1280
26	1190	1350	1600	1530	1190	1260	1240	1190	1160	1360	1170	1300
27	1210	1320	1730	1590	1200	1300	1220	1180	1160	1430	1280	1310
28	1190	1310	1650	1810	1230	1250	1030	1140	1200	1420	1230	1270
29	1180	1320	1750	1640	---	1290	1480	1160	1200	1440	1160	1280
30	1170	1310	1800	1180	---	1220	1420	1130	1310	1350	1170	1300
31	1150	---	1750	1100	---	1200	---	930	---	1390	1220	---
MONTH	1060	1170	1370	1540	1210	1330	1280	1110	1100	1360	1190	1270

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.0	10.0	1.0	0.0	0.0	8.0	17.0	21.0	15.5	31.0	18.0	14.0
2	21.0	9.0	0.5	0.0	0.0	10.0	18.5	29.0	24.5	37.0	17.0	15.0
3	16.5	13.5	0.0	0.0	0.5	4.5	1.5	21.0	26.5	28.0	13.0	18.0
4	17.0	4.5	0.0	0.0	0.0	11.0	7.0	20.0	26.5	28.0	22.0	21.0
5	21.0	10.0	0.0	0.0	0.0	7.0	12.0	21.0	26.5	30.0	19.0	18.5
6	15.5	10.5	0.0	0.0	0.0	19.5	12.0	23.0	18.0	31.0	15.0	20.0
7	21.0	7.0	0.0	0.0	0.0	11.0	14.0	20.5	15.5	32.0	18.0	23.0
8	26.0	3.5	0.0	0.0	8.5	15.0	15.5	21.0	18.5	31.5	17.0	23.5
9	15.5	5.5	0.0	0.0	0.0	14.5	18.0	18.5	18.5	30.5	19.0	22.0
10	13.0	7.0	0.5	0.0	1.0	7.5	15.0	16.5	20.0	30.0	21.5	24.0
11	13.0	8.0	1.0	0.0	3.5	7.0	18.0	18.0	22.0	31.0	25.0	19.0
12	14.5	9.0	0.5	0.0	4.5	7.0	10.0	22.0	25.5	29.0	28.5	13.0
13	17.0	10.0	0.0	0.0	4.5	9.0	11.0	23.5	29.5	28.0	22.5	16.0
14	18.5	5.0	0.0	1.0	1.0	8.0	10.0	17.0	29.5	32.5	25.0	20.0
15	23.0	3.0	0.0	1.5	1.5	9.0	9.0	21.0	23.5	28.0	24.0	19.5
16	24.0	5.0	0.0	0.0	2.0	2.0	16.0	18.5	21.0	31.0	23.0	21.0
17	26.5	6.0	0.0	1.0	7.0	8.0	17.0	18.5	18.0	31.5	18.0	22.5
18	19.0	4.0	0.0	2.0	5.0	9.0	21.5	19.5	30.0	33.0	24.0	22.5
19	14.0	2.0	0.0	0.0	4.5	10.5	21.0	22.0	34.5	33.0	28.5	19.5
20	15.5	1.0	0.0	0.5	6.5	0.0	4.5	15.5	32.0	34.0	26.0	16.5
21	18.0	1.0	0.0	0.0	5.0	3.0	16.5	21.0	33.0	35.0	22.0	16.5
22	18.5	0.5	0.5	0.0	4.0	1.5	20.0	23.5	26.5	33.0	25.0	15.0
23	19.0	0.5	0.0	1.0	0.0	2.0	15.5	24.0	21.0	26.0	23.5	16.0
24	21.0	0.0	0.0	1.0	0.0	1.0	15.5	24.0	25.5	27.5	23.5	17.0
25	24.0	0.0	0.0	2.0	1.0	11.0	21.5	24.0	28.5	26.5	26.0	18.5
26	14.5	0.0	0.0	1.0	4.5	13.0	21.0	24.0	28.0	26.0	28.0	18.0
27	10.0	1.0	0.0	2.0	7.0	16.5	24.5	23.0	28.0	28.0	24.0	18.0
28	8.5	1.5	0.0	2.0	14.5	14.5	21.0	28.0	28.0	30.0	23.5	13.5
29	4.5	2.0	0.0	3.0	---	14.5	20.0	26.5	33.0	24.5	20.0	17.0
30	13.5	1.5	0.0	1.0	---	18.0	22.0	25.0	29.0	27.0	20.0	15.5
31	11.0	---	0.0	0.0	---	19.5	---	24.0	---	23.0	17.0	---
MONTH	17.5	4.5	0.0	0.5	3.0	9.5	15.5	21.5	25.0	30.0	22.0	18.5

06803555 SALT CREEK AT GREENWOOD, NEBR.

LOCATION.--Lat 40°57'56", long 96°27'01", at center of sec.31, T.12 N., R.9 E., Cass County, at gaging station at county road bridge 0.5 mi (0.8 km) west of Greenwood.

DRAINAGE AREA.--1,051 mi^2 (2,722 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1971 to September 1972.
Sediment records: October 1971 to September 1974.

EXTREMES.--1973-74:
Sediment concentrations: Maximum daily, 15,900 mg/l May 18; minimum daily, 112 mg/l Nov. 16.
Sediment discharge: Maximum daily, 492,000 tons Oct. 11; minimum daily, 54 tons Aug. 2.
Period of record:
Sediment concentrations: Maximum daily, 15,900 mg/l May 18, 1974; minimum daily, 5 mg/l Oct. 9, 1971.
Sediment discharge: Maximum daily, 492,000 tons Oct. 11, 1973; minimum daily, 1.0 ton Oct. 9, 1971.

REMARKS.--Prior to July 1, 1971, sediment records were obtained by the U.S. Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	DIS-CHARGE (CFS) (00060)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
OCT., 1973							
12...	1030	14.5	12800	5320	184000	25	25
MAY , 1974							
03...	1310	14.0	420	476	540	--	--
30...	1430	14.5	940	1710	4340	33	37
31...	1050	15.5	668	5260	9490	51	64
AUG.							
16...	1305	24.5	877	2570	6090	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
OCT., 1973						
12...	40	77	80	82	89	100
MAY , 1974						
03...	--	93	98	100	--	--
30...	44	87	92	93	99	100
31...	86	100	--	--	--	--
AUG.						
16...	--	92	98	99	100	--

DATE	TIME	NUMBER OF SAM-PLING POINTS (00063)	DIS-CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
MAY , 1974												
30...	1445	3	1210	--	0	38	95	99	100	--	--	--
31...	1050	2	668	0	3	26	88	97	98	99	100	--
JULY												
05...	1255	3	131	0	1	15	84	97	99	100	--	--

06803555 SALT CREEK AT GREENWOOD, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	709	890	1700	352	240	228	337	270	246
2	539	630	917	349	240	226	337	244	222
3	452	500	610	329	250	222	343	270	250
4	395	390	416	306	260	215	352	310	295
5	352	376	357	291	250	196	364	349	343
6	331	298	266	280	230	174	325	340	298
7	316	288	246	282	230	175	300	331	268
8	309	278	232	275	290	215	310	311	260
9	697	425	800	274	270	200	310	291	244
10	10100	5470	204000	280	200	151	290	300	235
11	31400	6060	492000	280	210	159	290	310	243
12	13800	4810	198000	283	230	176	300	325	263
13	5380	2400	34900	301	300	244	300	340	275
14	3200	1740	15000	304	290	238	290	355	278
15	2220	1380	8270	301	240	195	260	367	258
16	1810	1140	5570	289	112	87	250	360	243
17	1530	1000	4130	286	120	93	260	355	249
18	1330	860	3090	283	127	97	260	350	246
19	1190	770	2470	280	125	94	280	347	262
20	1040	680	1910	592	781	1670	320	344	297
21	895	580	1400	1930	2920	15700	380	330	339
22	813	520	1140	980	1590	4910	380	315	323
23	735	460	913	556	680	1020	360	298	290
24	617	410	683	705	980	1870	360	308	299
25	552	372	554	588	650	1030	470	319	405
26	480	360	467	496	470	629	550	310	460
27	430	340	395	460	350	435	440	300	356
28	402	338	367	408	310	341	340	290	266
29	380	300	308	374	300	303	320	288	249
30	361	294	287	355	296	284	310	285	239
31	355	270	259	--	--	--	300	272	220
TOTAL	83120	--	981657	13069	--	31577	10288	--	8721

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	300	248	201	720	510	991	374	238	240
2	300	224	181	576	340	529	352	286	272
3	310	250	209	472	247	315	361	300	292
4	320	276	238	402	250	271	367	315	312
5	340	286	262	448	255	308	376	336	341
6	290	296	232	426	260	299	362	292	285
7	300	285	231	391	265	280	349	247	233
8	310	274	229	390	270	284	341	240	221
9	320	252	218	391	273	288	334	234	211
10	320	230	199	377	270	275	313	256	216
11	310	236	198	377	273	278	313	279	236
12	300	241	195	500	530	716	372	268	269
13	300	244	198	636	790	1360	353	256	244
14	320	247	213	612	620	1020	340	230	211
15	350	250	236	460	430	534	361	203	198
16	400	254	274	398	350	376	361	228	222
17	440	400	475	448	310	375	333	252	227
18	600	559	906	556	525	788	327	248	219
19	656	558	988	484	450	588	326	246	217
20	672	487	884	440	400	475	318	242	208
21	695	520	976	436	395	465	309	236	197
22	720	540	1050	472	495	631	330	250	223
23	584	350	552	440	390	463	304	180	148
24	540	300	437	405	300	328	270	210	153
25	564	325	495	444	340	408	278	220	165
26	955	750	1930	436	320	377	293	250	198
27	1030	980	2730	460	350	435	294	253	201
28	760	730	1500	416	280	314	289	252	197
29	685	620	1150	--	--	--	292	251	198
30	965	820	2140	--	--	--	284	257	197
31	1160	960	3010	--	--	--	272	263	193
TOTAL	16116	--	22737	13013	--	13771	10148	--	6944

06803555 SALT CREEK AT GREENWOOD, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	262	270	191	492	1130	1500	380	1240	1270
2	264	260	185	409	670	740	324	700	612
3	273	251	185	387	520	543	300	572	463
4	290	280	219	334	476	429	292	500	394
5	276	308	230	303	448	367	275	463	344
6	260	274	192	284	480	368	378	850	868
7	251	241	163	277	500	374	329	950	844
8	241	276	180	267	520	375	276	770	574
9	236	310	198	317	620	531	401	950	1030
10	233	304	191	335	620	561	319	470	405
11	278	304	228	1080	3270	10400	285	290	223
12	310	304	254	642	2260	3920	251	220	149
13	283	310	237	409	1220	1350	234	183	116
14	547	1060	1880	331	650	581	234	182	115
15	493	720	958	293	590	467	222	178	107
16	427	420	484	280	660	499	196	174	92
17	373	307	309	270	790	576	185	176	88
18	340	300	275	2060	15900	117000	193	179	93
19	328	295	261	4120	13500	199000	200	195	105
20	318	289	248	994	5000	13400	212	211	121
21	319	290	250	1130	4200	15300	207	216	121
22	388	460	482	1010	3810	11300	192	220	114
23	293	380	301	575	2010	3120	171	221	102
24	277	360	269	460	1230	1530	148	222	89
25	278	362	272	410	870	963	160	216	93
26	286	348	269	391	630	665	162	211	92
27	290	333	261	380	540	554	160	222	96
28	2090	7790	71300	373	515	519	151	234	95
29	1610	13400	60100	370	520	519	135	214	78
30	698	4970	10300	1090	3120	16600	125	204	69
31	--	--	--	784	5050	10700	--	--	--
TOTAL	12812	--	150872	20857	--	414751	7097	--	8962

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	125	208	70	93	234	59	131	370	131
2	128	212	73	95	210	54	123	425	141
3	130	230	81	88	254	60	117	486	154
4	128	248	86	85	299	69	114	546	168
5	128	239	83	85	299	69	113	318	97
6	114	184	57	90	299	73	116	318	100
7	100	226	61	95	328	84	120	330	107
8	77	267	56	98	357	94	116	342	107
9	85	262	60	130	360	126	112	430	130
10	95	256	66	190	380	195	123	523	174
11	101	270	74	186	350	176	117	480	152
12	98	265	70	150	368	149	123	440	146
13	98	265	70	131	387	137	118	410	131
14	90	260	63	125	440	148	106	430	123
15	85	255	59	137	495	183	103	445	124
16	90	260	63	642	2020	5590	97	463	121
17	95	265	68	563	1680	2550	102	385	106
18	104	275	77	394	660	702	103	307	85
19	101	270	74	201	542	294	102	349	96
20	101	270	74	177	540	258	97	391	102
21	95	265	68	168	550	249	92	418	104
22	104	270	76	159	550	236	78	444	94
23	114	280	86	142	457	175	79	450	96
24	104	267	75	134	422	153	85	467	107
25	104	267	75	128	387	134	82	450	100
26	101	265	72	123	414	137	87	440	103
27	95	263	67	139	442	166	91	431	106
28	101	270	74	125	389	131	81	410	90
29	87	266	62	106	336	96	78	399	84
30	87	262	62	114	324	100	80	410	89
31	90	259	63	171	316	146	--	--	--
TOTAL	3155	--	2165	5264	--	12793	3086	--	3468

TOTAL DISCHARGE FOR YEAR (CFS-DAYS)	198025
TOTAL SUSPENDED-SEDIMENT DISCHARGE FOR YEAR (TONS)	1658418

06803565 SALT CREEK ABOVE ASHLAND, NEBR.

LOCATION.--Lat 41°01'34", long 96°24'22", in NW¼NW¼ sec.10, T.12 N., R.9 E., Saunders County, at county road bridge 2 mi (3.2 km) southwest of Ashland.

DRAINAGE AREA.--1,118 mi^2 (2,896 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT. 23...	1000	698	--	--	--	--	--	--	--	--
NOV. 13...	0920	308	--	--	--	--	--	--	--	--
DEC. 07...	1130	327	22	92	28	590	11	360	0	295
JAN. 16...	1100	436	--	--	--	--	--	--	--	--
FEB. 07...	1000	386	--	--	--	--	--	--	--	--
MAR. 29...	0925	328	12	86	26	540	9.2	352	0	289
APR. 24...	1330	255	--	--	--	--	--	--	--	--
MAY 15...	1100	260	--	--	--	--	--	--	--	--
JUNE 14...	1200	257	23	94	27	650	11	364	--	299
JULY 16...	1530	117	--	--	--	--	--	--	--	--
AUG. 13...	1000	135	--	--	--	--	--	--	--	--
SEP. 12...	1000	108	21	88	27	1100	20	349	--	286

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)
OCT. 23...	--	77	--	--	1.6	.59	1.2	1.8	--	.88
NOV. 13...	--	810	--	--	2.2	.99	.81	1.8	--	.93
DEC. 07...	180	830	.5	--	2.0	1.7	1.4	3.1	--	1.1
JAN. 16...	--	750	--	2.1	2.0	2.4	.40	2.8	4.9	1.4
FEB. 07...	--	650	--	2.4	2.4	1.5	.60	2.1	4.5	1.1
MAR. 29...	140	740	.6	1.4	1.2	.91	.79	1.7	3.1	1.3
APR. 24...	--	710	--	1.8	1.4	1.6	1.4	3.0	4.8	1.5
MAY 15...	--	670	--	1.9	1.9	1.0	1.3	2.3	4.2	1.4
JUNE 14...	180	870	.7	1.6	1.6	1.2	1.3	2.5	4.1	1.5
JULY 16...	--	1800	--	1.1	1.1	.47	2.2	2.7	3.8	2.3
AUG. 13...	--	1500	--	1.9	1.2	1.8	1.3	3.1	5.0	2.0
SEP. 12...	280	1500	.7	2.4	2.3	2.2	3.1	5.3	7.7	4.2

06803565 SALT CREEK ABOVE ASHLAND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIUS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT. 23...	.29	887	--	1.21	1670	--	--	--	1580
NOV. 13...	.82	1970	--	2.68	1640	--	--	--	3410
DEC. 07...	.80	2000	1940	2.72	1770	350	50	14	3320
JAN. 16...	1.2	1780	--	2.42	2100	--	--	--	3050
FEB. 07...	.80	1680	--	2.28	1750	--	--	--	2740
MAR. 29...	1.1	1780	1730	2.42	1580	320	33	13	3130
APR. 24...	1.0	1740	--	2.37	1200	--	--	--	3130
MAY 15...	1.0	1670	--	2.27	1170	--	--	--	2950
JUNE 14...	1.2	2080	2040	2.83	1440	350	47	15	3720
JULY 16...	2.0	3770	--	5.13	1190	--	--	--	6730
AUG. 13...	1.5	3280	--	4.46	1200	--	--	--	5800
SEP. 12...	3.7	3190	3220	4.34	930	330	45	26	5840

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 23...	7.5	15.5	--	120	7.5	19	120000	160000	--
NOV. 13...	7.6	11.0	--	20	9.3	12	30000	7000	--
DEC. 07...	7.7	.5	9	15	11.6	8.1	160000	41000	300
JAN. 16...	7.7	.5	--	40	7.8	24	3200	3400	--
FEB. 07...	7.9	.5	--	30	11.9	1.7	13200	23000	--
MAR. 29...	7.7	13.0	5	16	6.2	7.5	6800	1200	280
APR. 24...	7.6	15.0	--	75	6.6	--	--	38000	--
MAY 15...	7.8	16.0	--	60	7.0	14	99000	6600	--
JUNE 14...	7.5	26.0	20	20	7.0	13	34000	600	330
JULY 16...	8.1	31.0	--	15	16.8	24	<100	250	--
AUG. 13...	7.4	23.0	--	25	5.7	17	1900	100	--
SEP. 12...	7.5	12.0	20	15	4.7	8.9	19000	1450	600

06804495 SILVER CREEK NEAR WAHOO, NEBR.

LOCATION.--Lat 41°12'22", long 96°32'37", in NE¼NE¼NE¼ sec.8, T.14 N., R.8 E., Saunders County, at bridge on county road 3.9 mi (6.3 km) east of intersection of First Street and U.S. Highway 77 in Wahoo.

PERIOD OF RECORD.--Chemical analyses: October 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT. 24...	0920	10	--	--	--	--	--	--	--	--
NOV. 14...	0950	9.3	--	--	--	--	--	--	--	--
DEC. 19...	1500	7.0	30	50	410	71	17	29	8.5	294
JAN. 30...	1615	12	29	40	410	64	16	27	8.4	263
FEB. 21...	0930	17	--	--	--	--	--	--	--	--
MAR. 12...	1000	11	--	--	--	--	--	--	--	--
APR. 10...	0930	8.6	--	--	--	--	--	--	--	--
MAY 16...	1000	7.8	--	--	--	--	--	--	--	--
JUNE 28...	1020	4.7	36	50	190	66	16	21	9.3	286
JULY 16...	1415	5.2	--	--	--	--	--	--	--	--
AUG. 30...	1015	4.1	--	--	--	--	--	--	--	--
SEP. 18...	1010	5.5	37	1200	220	64	16	57	11	280

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT. 24...	--	--	--	7.4	--	--	2.0	.06	.43	.49
NOV. 14...	--	--	--	18	--	--	1.9	1.3	.90	2.2
DEC. 19...	0	241	42	16	.5	2.9	2.2	1.5	.70	2.2
JAN. 30...	0	216	41	17	.4	2.2	1.9	2.1	.30	2.4
FEB. 21...	--	--	--	15	--	4.9	4.9	2.0	1.8	3.8
MAR. 12...	--	--	--	15	--	2.5	1.8	1.7	.30	2.0
APR. 10...	--	--	--	9.1	--	1.5	1.3	.70	1.0	1.7
MAY 16...	--	--	--	37	--	2.1	2.0	1.1	1.0	2.1
JUNE 28...	--	235	41	4.1	.4	1.5	1.4	.08	.57	.65
JULY 16...	--	--	--	5.0	--	1.1	1.1	.09	.76	.85
AUG. 30...	--	--	--	4.9	--	1.2	1.2	.02	.56	.58
SEP. 18...	--	230	42	66	.5	1.4	1.3	.15	2.8	2.9

06804495 SILVER CREEK NEAR WAHOO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)
OCT. 24...	--	.41	.30	356	--	.48	9.61	--	--	--
NOV. 14...	--	.59	.57	366	--	.50	9.19	--	--	--
DEC. 19...	5.1	.34	.23	--	369	.50	6.97	250	6	.8
JAN. 30...	4.6	.39	.29	--	341	.46	11.0	230	10	.8
FEB. 21...	8.7	.51	.31	330	--	.45	15.1	--	--	--
MAR. 12...	4.5	.38	.37	356	--	--	10.6	--	--	--
APR. 10...	3.2	.33	.18	331	--	.45	7.69	--	--	--
MAY 16...	4.2	.52	.38	392	--	.53	8.26	--	--	--
JUNE 28...	2.2	.51	.34	--	341	.46	4.33	230	0	.6
JULY 16...	2.0	.42	.33	319	--	.43	4.48	--	--	--
AUG. 30...	1.8	.36	.31	306	--	.42	3.39	--	--	--
SEP. 18...	4.3	.63	.43	--	439	.60	6.52	230	0	1.7

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)
OCT. 24...	568	7.5	13.5	--	15	8.2	3.3	--	1350	--
NOV. 14...	595	7.6	10.0	--	10	9.6	>4.2	580	1150	--
DEC. 19...	558	7.6	.5	6	10	12.1	3.0	200	240	--
JAN. 30...	566	8.0	7.5	10	15	13.8	5.9	290	2530	2
FEB. 21...	526	7.5	4.5	--	25	10.6	7.7	1200	900	--
MAR. 12...	569	7.6	4.0	--	9	10.5	2.2	230	250	--
APR. 10...	552	7.8	9.0	--	9	10.9	3.2	30	164	--
MAY 16...	547	7.8	13.5	--	50	8.4	7.1	6610	1480	--
JUNE 28...	525	7.5	20.0	3	15	8.1	2.0	--	1380	--
JULY 16...	505	7.6	28.0	--	10	11.8	4.9	190	1500	--
AUG. 30...	506	7.5	14.0	--	10	10.2	2.4	1570	1220	--
SEP. 18...	681	7.4	15.0	5	30	9.5	4.8	490	570	7

DATE	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 24...	--	--	--	--	--	--	--	--	--	--
NOV. 14...	--	--	--	--	--	--	--	--	--	--
DEC. 19...	40	--	--	--	--	--	--	--	--	--
JAN. 30...	60	1	0	8	1	.0	.0	6	0	20
FEB. 21...	--	--	--	--	--	--	--	--	--	--
MAR. 12...	--	--	--	--	--	--	--	--	--	--
APR. 10...	--	--	--	--	--	--	--	--	--	--
MAY 16...	--	--	--	--	--	--	--	--	--	--
JUNE 28...	60	--	--	--	--	--	--	--	--	--
JULY 16...	--	--	--	--	--	--	--	--	--	--
AUG. 30...	--	--	--	--	--	--	--	--	--	--
SEP. 18...	90	<1	0	14	2	.1	.1	2	0	0

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.

LOCATION.--Lat 41°00'55", long 96°09'28", in NW¼NW¼ sec.14, T.12 N., R.11 E., Sarpy County, at bridge on State Highway 50, 7 mi (11.3 km) downstream from gaging station near South Bend, 1.0 mi (1.6 km) north of Louisville.

DRAINAGE AREA.--89,800 mi^2 (230,000 km^2), approximately, of which about 71,000 mi^2 (184,000 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Sediment records: October 1971 to September 1974.

EXTREMES.--1973-74:
Sediment concentrations: Maximum daily, 11,600 mg/l May 19; minimum daily, 110 mg/l on several days during July.
Sediment discharge: Maximum daily, 789,000 tons May 19; minimum daily, 111 tons July 31.

Period of record:
Sediment concentrations: Maximum daily, 11,600 mg/l May 19, 1974; minimum daily, 110 mg/l on several days in 1974.
Sediment discharge: Maximum daily, 789,000 tons May 19, 1974; minimum daily, 111 tons July 31, 1974.

REMARKS.--Prior to July 1, 1971, sediment records were obtained by the U.S. Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	DIS-CHARGE (CFS) (00060)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
OCT., 1973							
15...	1400	15.0	16000	782	33800	--	--
MAR., 1974							
15...	1400	4.0	10300	474	13200	--	--
APR.							
12...	1240	10.5	12400	449	15000	--	--
MAY							
24...	1030	18.0	8700	1870	43900	52	62

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
OCT., 1973						
15...	--	56	67	96	100	--
MAR., 1974						
15...	--	58	64	77	100	--
APR.						
12...	--	40	85	92	100	--
MAY						
24...	72	92	94	99	100	--

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	19300	1010	52600	8930	490	11800	11300	420	12800
2	16000	930	40200	9470	510	13000	11000	400	11900
3	14200	780	29900	8740	480	11300	11000	430	12800
4	13400	640	23200	8810	485	11500	11600	500	15700
5	12200	480	15800	8070	450	9800	9600	500	13000
6	11400	375	11500	8310	494	11100	8600	502	11700
7	10800	570	16600	8240	460	10200	7600	550	11300
8	10000	530	14300	7950	445	9550	7200	606	11800
9	9700	520	13600	8100	455	9950	7200	520	10100
10	20100	1040	56400	7930	445	9530	7200	521	10100
11	39000	2450	258000	8220	455	10100	7400	550	11000
12	40100	2550	276000	8370	460	10400	7200	587	11400
13	27300	1480	109000	8290	460	10300	6800	530	9730
14	19400	980	51300	9750	520	13700	6400	495	8550
15	16800	840	38100	9030	495	12100	5800	450	7050
16	14400	720	28000	7830	440	9300	6200	480	8040
17	13100	670	23700	8980	490	11900	6200	480	8040
18	12100	620	20300	9140	490	12100	5400	420	6120
19	12200	630	20800	8940	485	11700	4100	330	3650
20	11200	580	17500	10100	532	14500	3000	265	2150
21	11000	580	17200	4600	740	29200	4500	355	4310
22	10600	560	16000	15800	800	34100	5800	450	7050
23	10400	362	10200	13400	680	24600	5600	430	6500
24	10400	362	10200	11900	620	19900	6400	495	8550
25	10200	275	7570	13000	660	23200	6200	480	8040
26	10200	275	7570	11900	577	18500	6000	460	7450
27	9780	305	8050	11900	550	17700	6400	466	8050
28	9680	315	8230	11400	500	15400	7000	550	10400
[illegible]	9560	324	8360	11400	460	14200	6600	508	9050
[illegible]	9620	332	8620	11400	438	13500	5800	450	7050
[illegible]	9310	339	8520	--	--	--	5000	390	5260
AL	453450	--	1227320	299900	--	434130	216100	--	278840

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	4000	320	3460	10800	407	11900	11500	770	23900
2	4500	350	4250	11000	410	12200	11500	852	26500
3	4400	340	4040	11000	410	12200	11100	750	22500
4	4200	330	3740	11600	426	13300	10100	509	13900
5	4500	350	4250	12000	460	14900	10100	600	16400
6	4600	360	4470	11000	361	10700	10800	900	26200
7	4300	300	3480	10400	370	10400	10700	890	25700
8	4600	320	3970	9600	380	9850	10000	845	22800
9	4400	280	3330	9200	390	9690	9830	800	21200
10	4700	300	3810	8910	410	9860	9460	713	18200
11	4400	230	2730	8490	512	11700	9790	600	15900
12	4300	180	2090	9350	480	12100	10200	370	10200
13	4900	180	2380	10900	600	17700	10100	450	12300
14	5800	180	2820	12600	983	33400	10200	545	15000
15	7400	180	3600	13200	800	28500	10300	474	13200
16	9400	183	4640	13700	720	26600	11200	492	14900
17	9200	200	4970	14900	1000	40200	11200	500	15100
18	9000	233	5660	18200	1450	71300	11400	530	16300
19	8800	220	5230	16900	1350	61600	11800	550	17500
20	9400	195	4950	18700	1250	63100	11300	512	15600
21	9200	230	5710	17200	1300	60400	11200	550	16600
22	9200	270	6710	13700	1350	49900	11200	687	20800
23	9800	800	21200	11800	1150	36600	11300	680	20700
24	10600	1030	29500	12200	1200	39500	11700	641	20200
25	11000	1300	38600	9320	900	22600	11000	580	17200
26	10800	1280	37300	9380	872	22100	12600	765	26000
27	10200	950	26200	10500	780	22100	11200	640	19400
28	10000	872	23500	11700	687	21700	10800	510	14900
29	11000	650	19300	--	--	--	11000	630	18700
30	12000	459	14900	--	--	--	11100	701	21000
31	10600	390	11200	--	--	--	9350	500	12600
TOTAL	231200	--	311990	338250	--	756100	335030	--	571400

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	11200	629	19000	9730	450	11800	8350	1330	30000
2	11100	500	15000	9950	377	10100	6200	1220	20400
3	11500	402	12500	8890	370	8880	5650	1080	16500
4	13500	680	24800	8250	377	8400	5310	850	12200
5	13000	622	21800	7590	340	6970	4730	511	6530
6	13600	550	20200	6970	312	5870	4970	600	8050
7	13100	436	15400	6950	310	5820	5120	710	9820
8	13000	400	14000	7090	306	5860	7440	1350	27100
9	12100	350	11400	6310	660	11200	6960	1920	36100
10	12300	383	12700	6090	1090	17900	6330	1940	33200
11	12400	400	13400	8140	1640	36000	8010	1940	42000
12	12800	450	15600	12000	2280	73900	13000	2450	86000
13	13100	460	16300	10100	1380	37600	9940	3100	83200
14	14100	493	18800	8380	680	15400	9250	2190	54700
15	13700	500	18500	7940	500	10700	7770	1010	21200
16	14100	555	21100	6450	386	6720	7680	660	13700
17	13400	480	17400	6740	900	16400	7460	633	12700
18	12400	377	12600	8560	3860	96800	6090	590	9700
19	11900	360	11600	24800	11600	789000	5760	574	8930
20	11900	348	11200	17300	8750	409000	5240	520	7360
21	11100	430	12900	11500	7080	220000	4380	446	5270
22	11200	478	14500	21800	10600	644000	4520	460	5610
23	10100	440	12000	12700	4850	179000	3980	312	3350
24	9660	415	10800	8350	1850	41700	3430	300	2780
25	9600	379	9820	7080	1000	19100	3530	329	3140
26	9400	364	9240	7250	850	16600	3280	300	2660
27	8880	360	8630	9990	1400	37800	2830	278	2120
28	11100	369	11100	8190	1870	41400	2760	300	2240
29	12100	500	16300	8980	1650	40000	2440	321	2110
30	10000	609	16400	8240	1570	34900	2400	310	2010
31	--	--	--	8600	1450	33700	--	--	--
TOTAL	357340	--	444990	300910	--	2892520	174810	--	570680

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2280	296	1820	413	152	169	1590	182	781
2	2090	240	1350	537	185	268	1760	270	1280
3	1910	221	1140	573	200	309	1610	234	1020
4	1930	260	1350	573	200	309	1500	220	891
5	1670	273	1230	691	210	392	1550	229	958
6	1540	260	1080	923	240	598	1580	290	1240
7	1530	250	1030	935	260	656	1560	291	1230
8	1300	200	702	845	210	479	1690	280	1280
9	1250	187	631	1150	220	683	1800	249	1210
10	1270	190	652	1650	240	1070	1570	200	848
11	1190	153	492	1670	240	1080	1620	210	919
12	1120	145	438	1720	250	1160	1860	220	1100
13	1040	140	393	1550	300	1260	1950	222	1170
14	984	140	372	1450	322	1260	1620	210	919
15	895	139	336	1700	314	1440	1890	247	1260
16	801	120	260	2330	369	2320	1890	250	1280
17	699	110	208	2750	600	4460	1910	300	1550
18	650	110	193	2370	551	3530	2050	310	1720
19	613	110	182	2030	350	1920	1990	250	1340
20	601	110	178	2010	331	1800	2030	281	1540
21	547	110	162	1970	330	1760	1880	240	1220
22	539	110	160	2350	340	2160	1740	225	1060
23	546	110	162	2150	280	1630	1980	260	1390
24	498	110	148	2330	313	1970	1730	156	729
25	445	110	132	1680	240	1090	1720	200	929
26	400	110	119	1650	238	1060	1840	311	1550
27	391	110	116	1790	250	1210	1990	250	1340
28	425	110	126	1740	232	1090	2030	205	1120
29	419	110	124	1560	220	927	1950	250	1320
30	385	110	114	1490	203	817	1970	277	1470
31	373	110	111	1490	190	764	--	--	--
TOTAL	30331	--	15511	48070	--	39641	53850	--	35664

TOTAL DISCHARGE FOR YEAR (CFS-DAYS) 2839241
TOTAL SUSPENDED-SEDIMENT DISCHARGE FOR YEAR (TONS) 7578586

06805570 PLATTE RIVER AT LA PLATTE, NEBR.

LOCATION.--Lat 41°03'34", long 95°55'38", in NE¼NE¼ sec.34, T.13 N., R.13 E., Sarpy County, at bridge on U.S. Highways 73 and 75, 2.7 mi (4.7 km) upstream from mouth, and 1.0 mi (1.6 km) south of La Platte.

PERIOD OF RECORD.--Chemical analyses: February 1974 to September 1974.

REMARKS.--Some chemical analyses by Surveillance and Analysis Division, U.S. Environmental Protection Agency, Kansas City, Kans.

WATER QUALITY DATA, FEBRUARY 1974 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)
FEB.										
20...	1315	10000	192	0	157	7.4	2.5	90	11.8	1770
MAR.										
06...	0840	9400	202	0	166	7.9	7.0	45	9.6	2000
19...	1130	11000	240	0	197	7.9	4.0	40	12.2	70
APR.										
02...	1115	11500	238	0	195	8.1	12.0	35	10.4	150
17...	1115	14500	235	0	193	7.9	11.0	35	9.4	17500
MAY										
01...	1100	8400	227	0	186	8.0	17.5	80	8.6	99200
13...	1115	11500	202	0	166	7.8	16.5	400	8.6	24700
29...	1000	9260	218	0	179	7.2	21.5	420	7.0	16000
JUNE										
12...	1115	10000	208	0	171	7.7	19.5	500	8.7	60000
25...	1115	3750	243	0	199	7.9	23.5	50	8.8	100
JULY										
10...	1100	1600	256	0	210	8.1	23.5	30	8.1	250
24...	1200	580	168	49	219	8.7	27.0	30	11.1	200
AUG.										
06...	1120	740	268	0	220	8.1	21.0	25	10.0	1800
21...	1050	2300	220	0	180	8.1	25.0	70	7.4	1050
SEP.										
04...	1100	1850	236	0	194	8.0	13.0	30	11.0	<33
17...	1045	1900	218	0	179	8.0	19.0	20	9.5	233

DATE	TIME	DIS-CHARGE (CFS) (00060)	TOTAL IRON (FE) (UG/L) (01045)	TOTAL CAL-CIUM (CA) (MG/L) (00916)	TOTAL MAG-NE-SIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL PO-TAS-SIUM (K) (MG/L) (00937)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
FEB.												
20...	1315	10000	11900	39	15	51	10	106	37	.90	.19	1.0
MAR.												
06...	0840	9400	4380	45	19	64	10	134	48	1.2	.01	.60
19...	1130	11000	3980	46	21	71	10	180	53	1.1	.38	1.0
APR.												
02...	1115	11500	3290	39	19	64	8.9	155	51	.40	.06	.60
17...	1115	14500	3250	50	26	58	5.3	200	11	.70	.06	.70
MAY												
01...	1100	8400	8690	48	20	69	9.7	140	43	.20	.08	1.0
13...	1115	11500	45000	43	25	56	--	240	39	.80	.15	2.3
29...	1000	9260	51900	58	23	58	--	166	55	.50	.11	3.8
JUNE												
12...	1115	10000	58300	70	22	50	18	170	47	.50	.16	4.4
25...	1115	3750	4440	66	16	66	9.1	112	56	<.04	.04	1.1
JULY												
10...	1100	1600	2260	72	18	132	8.6	105	166	<.04	.08	.72
24...	1200	580	1390	65	20	296	9.2	140	155	<.04	.12	1.2
AUG.												
06...	1120	740	1310	65	17	201	7.9	110	257	.30	.08	1.5
21...	1050	2300	6330	57	12	89	9.6	74	100	.40	.09	1.2
SEP.												
04...	1100	1850	2410	57	13	112	7.7	58	138	.10	.16	1.1
17...	1045	1900	3230	55	14	96	8.4	67	117	.05	.06	1.0

06805570 PLATTE RIVER AT LA PLATTE, NEBR.--Continued

WATER QUALITY DATA, FEBRUARY 1974 TO SEPTEMBER 1974

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	TUR-BID-ITY (NTU) (00076)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	TOTAL COPPER (CU) (UG/L) (01042)	TOTAL LEAD (PB) (UG/L) (01051)	TOTAL MERCURY (HG) (UG/L) (71900)	TOTAL ZINC (ZN) (UG/L) (01092)
FEB.											
20...	.40	432	90	24	10	10	20	35	60	.9	161
MAR.											
06...	.25	526	40	--	3.0	9	13	18	<50	.4	93
19...	.30	602	30	--	3.5	9	17	12	50	<.5	54
APR.											
02...	.40	534	18	32	2.5	14	21	17	<50	1.2	56
17...	.40	540	38	20	3.0	<5	14	24	50	.3	189
MAY											
01...	.40	508	74	33	15	5	<5	20	120	<.1	60
13...	2.1	422	230	104	8.0	10	44	47	100	.6	220
29...	1.2	828	215	115	16	14	51	54	80	1.1	280
JUNE											
12...	1.9	712	510	115	31	7	53	57	100	1.0	263
25...	.47	502	45	37	29	<5	12	16	30	.2	141
JULY											
10...	.43	306	20	--	15	<5	<5	12	40	.2	114
24...	.61	--	18	74	14	<5	<5	14	30	<.2	40
AUG.											
06...	.82	830	20	43	14	<5	6	8	30	.6	55
21...	.60	536	58	40	19	<5	16	14	20	.2	64
SEP.											
04...	.54	582	21	30	15	<5	<5	17	60	1.0	194
17...	.54	492	--	24	15	--	<5	33	<50	1.1	96

06805600 MISSOURI RIVER AT PLATTSMOUTH, NEBR.

LOCATION.--Lat 41°00'04", long 95°51'59", in NE¼NW¼ sec.20, T.1[illegible] N., R.14 E., Cass County, at toll bridge on U.S. Highway 34, 1.0 mi (1.6 km) southeast of Plattsmouth.

PERIOD OF RECORD.--Chemical analyses: February 1974 to September 1974.

REMARKS.--Some chemical analyses by Surveillance and Analysis Division, U.S. Environmental Protection Agency, Kansas City, Kans.

WATER QUALITY DATA, FEBRUARY 1974 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)
FEB.										
20...	1100	44200	191	0	157	7.2	3.0	100	11.2	6920
MAR.										
06...	1000	33900	222	0	182	7.9	7.0	45	9.8	14600
19...	1030	33400	217	0	178	7.6	3.0	40	11.6	50000
APR.										
02...	1015	41500	210	0	172	7.7	9.5	25	10.5	22600
17...	1015	46600	228	0	187	8.0	11.0	35	9.8	465
MAY										
01...	1000	43000	212	0	174	7.9	16.0	30	8.9	2400
13...	1015	44000	200	0	164	7.6	15.0	150	8.3	17300
29...	0830	45800	210	0	172	7.7	20.5	160	7.0	20000
JUNE										
12...	1015	44600	208	0	171	7.8	18.0	200	8.2	38000
25...	1015	43500	202	0	166	7.5	23.5	250	6.0	15200
JULY										
10...	1010	36100	202	0	166	7.8	25.5	25	6.6	98000
24...	1015	36600	204	0	167	7.8	26.0	30	5.7	14000
AUG.										
06...	1030	37500	208	0	171	7.9	20.5	25	8.6	54000
21...	1000	36500	232	0	190	7.8	24.5	40	6.7	53000
SEP.										
04...	1000	36000	216	0	177	7.9	16.0	30	8.7	55000
17...	1000	36500	226	0	185	7.8	20.0	30	8.4	50000

DATE	TIME	DIS-CHARGE (CFS) (00060)	TOTAL IRON (FE) (UG/L) (01045)	TOTAL CAL-CIUM (CA) (MG/L) (00916)	TOTAL MAG-NE-SIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL PO-TAS-SIUM (K) (MG/L) (00937)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
FEB.												
20...	1100	44200	13500	38	19	45	8.2	148	13	1.0	.49	1.4
MAR.												
06...	1000	33900	5450	44	21	48	7.1	148	16	1.1	.12	.85
19...	1030	33400	3120	44	21	49	6.4	163	16	1.0	.16	.50
APR.												
02...	1015	41500	2280	38	21	51	5.3	168	14	.60	.11	.50
17...	1015	46600	2050	52	23	59	5.5	180	18	.70	.05	.90
MAY												
01...	1000	43000	2900	46	24	58	5.6	248	12	.40	.05	.50
13...	1015	44000	16700	43	24	54	7.4	204	11	.60	.11	1.4
29...	0830	45800	18900	51	22	53	7.7	186	17	.60	.10	1.4
JUNE												
12...	1015	44600	19000	67	25	52	7.6	200	12	.90	.13	2.2
25...	1015	43500	27500	69	25	53	8.3	220	7.0	--	--	--
JULY												
10...	1010	36100	1620	61	21	66	4.8	217	12	.30	.10	.76
24...	1015	36600	2590	62	22	66	4.8	221	12	.10	.07	.30
AUG.												
06...	1030	37500	5040	67	21	70	5.4	200	24	.10	.11	.29
21...	1000	36500	3600	62	18	70	6.3	168	27	.10	.25	1.0
SEP.												
04...	1000	36000	1980	57	19	70	4.9	175	29	.10	.19	.60
17...	1000	36500	2340	59	22	76	5.7	190	31	.10	.22	.65

06805600 MISSOURI RIVER AT PLATTSMOUTH, NEBR.--Continued

WATER QUALITY DATA, FEBRUARY 1974 TO SEPTEMBER 1974

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	TUR-BID-ITY (NTU) (00076)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	TOTAL COPPER (CU) (UG/L) (01042)	TOTAL LEAD (PB) (UG/L) (01051)	TOTAL MERCURY (HG) (UG/L) (71900)	TOTAL ZINC (ZN) (UG/L) (01092)
FEB.											
20...	.60	438	95	--	14	7	17	85	50	.5	185
MAR.											
06...	.25	470	37	--	4.0	7	16	27	<50	.4	102
19...	.40	490	20	--	3.0	9	17	13	50	<.5	52
APR.											
02...	.10	480	14	16	3.5	13	15	16	<50	.2	82
17...	.40	502	17	19	3.5	<5	13	22	<50	<.2	77
MAY											
01...	.20	492	21	2	5.0	5	<5	19	70	.2	72
13...	.90	486	130	43	13	<5	15	22	80	.3	132
29...	.58	462	140	44	12	9	24	34	100	1.3	80
JUNE											
12...	.83	608	245	51	16	6	13	31	40	.8	78
25...	--	488	44	77	15	6	32	38	50	.4	161
JULY											
10...	.26	536	20	--	3.5	<5	<5	15	30	.4	82
24...	.11	510	19	29	10	9	9	9	30	.2	36
AUG.											
06...	.32	514	22	21	9.0	<5	8	17	40	.3	68
21...	.30	514	23	20	14	<5	10	12	50	.4	77
SEP.											
04...	.27	496	11	14	10	<5	8	15	50	.4	91
17...	.20	498	--	--	10	--	<5	30	<50	.7	49

06806501 WEEPING WATER CREEK NEAR UNION, NEBR.

LOCATION.--Lat 40°47'46", long 95°54'17", in NE¼NE¼NW¼ sec. 36, T.10 N., R.13 E., Cass County, at county road bridge 1.1 mi (1.8 km) downstream from gaging station, 1.6 mi (2.6 km) southeast of Union, and 3.9 mi (6.3 km) downstream from South Branch Weeping Water Creek.

PERIOD OF RECORD.--Chemical analyses: October 1972 to September 1974.
Water temperatures: October 1972 to September 1974.

EXTREMES.--1973-74:
Specific conductance: Maximum daily, 675 micromhos Nov. 19; minimum daily, 159 micromhos Oct. 11.
Water temperatures: Maximum, 31.0°C July 18, 19, 20, 21; minimum, 3.0°C Dec. 30, Jan. 11, 12.

Period of record:
Specific conductance: Maximum daily, 705 micromhos Dec. 11, 1972; minimum daily, 159 micromhos, Oct. 11, 1973.
Water temperatures: Maximum, 31.0°C July 18, 19, 20, 21, 1974; minimum, freezing point several days December to February.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
OCT.												
25...	1000	168	25	--	--	--	79	19	21	4.4	309	0
NOV.												
15...	1030	138	19	--	40	280	78	18	22	3.6	303	0
DEC.												
20...	1030	90	23	--	0	630	79	18	23	3.2	307	0
JAN.												
22...	1000	199	21	20	70	390	64	16	25	4.9	248	0
FEB.												
12...	1035	226	23	--	20	360	73	18	20	2.9	281	0
MAR.												
06...	1130	147	20	--	30	290	73	17	21	3.3	279	0
APR.												
18...	1500	100	15	--	40	370	72	18	24	3.1	288	0
MAY												
09...	1600	95	21	--	50	290	71	18	19	3.4	293	0
30...	1740	2040	7.4	270	60	60	25	5.3	4.9	6.2	102	0
JUNE												
21...	1345	82	21	--	20	110	75	18	20	3.7	291	0
JULY												
11...	1530	51	21	--	30	140	73	17	20	3.6	289	0
31...	1630	26	19	--	30	150	68	17	22	3.4	284	0
SEP.												
10...	1800	32	20	--	40	190	69	16	21	5.3	286	0

DATE	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT.											
25...	253	41	6.3	.4	--	--	--	6.8	--	--	--
NOV.											
15...	249	40	5.8	.3	--	--	--	6.1	--	--	--
DEC.											
20...	252	39	7.4	.4	--	--	--	6.7	--	--	--
JAN.											
22...	203	35	16	.4	5.3	.07	5.8	5.4	.64	1.2	1.8
FEB.											
12...	230	36	7.5	.5	--	--	--	7.3	--	--	--
MAR.											
06...	229	44	6.9	.5	--	--	--	7.8	--	--	--
APR.											
18...	236	39	5.8	.5	--	--	--	4.7	--	--	--
MAY											
09...	240	41	6.9	.5	--	--	--	4.7	--	--	--
30...	84	13	2.3	.5	2.2	.07	3.4	2.3	.72	17	18
JUNE											
21...	239	42	5.6	.5	--	--	--	4.8	--	--	--
JULY											
11...	237	42	6.4	.4	--	--	--	4.7	--	--	--
31...	233	39	6.8	.4	--	--	--	3.6	--	--	--
SEP.											
10...	235	38	6.8	.4	--	--	--	3.2	--	--	--

06806501 WEEPING WATER CREEK NEAR UNION, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)
OCT.											
25...	--	--	.21	379	.52	172	280	22	.6	609	7.7
NOV.											
15...	--	--	.17	363	.49	135	270	20	.6	593	7.7
DEC.											
20...	--	--	.16	375	.51	91.1	270	20	.6	605	7.5
JAN.											
22...	7.6	.47	.28	329	.45	177	230	23	.7	531	8.1
FEB.											
12...	--	--	.18	352	.48	215	260	26	.5	562	7.8
MAR.											
06...	--	--	.18	358	.49	142	250	23	.6	560	8.0
APR.											
18...	--	--	.11	341	.46	92.1	250	18	.7	551	7.7
MAY											
09...	--	--	.07	346	.47	88.7	250	11	.5	561	7.8
30...	21	2.8	.08	126	.17	694	84	1	.2	220	7.4
JUNE											
21...	--	--	.17	351	.48	77.7	260	23	.5	564	7.5
JULY											
11...	--	--	.17	347	.47	47.8	250	15	.5	550	7.8
31...	--	--	.17	332	.45	23.3	240	7	.6	534	7.6
SEP.											
10...	--	--	.23	332	.45	28.7	240	4	.6	533	7.6

DATE	DISSOLVED COBALT (CO) (UG/L) (01035)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	DISSOLVED LITHIUM (LI) (UG/L) (01130)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED MOLYBDENUM (MO) (UG/L) (01060)	DISSOLVED NICKEL (NI) (UG/L) (01065)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED STRONTIUM (SR) (UG/L) (01080)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT.											
25...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
15...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
20...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
22...	0	8	2	10	.0	5	4	4	0	290	30
FEB.											
12...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
06...	--	--	--	--	--	--	--	--	--	--	--
APR.											
18...	--	--	--	--	--	--	--	--	--	--	--
MAY											
09...	--	--	--	--	--	--	--	--	--	--	--
30...	0	21	0	0	.0	4	10	0	0	120	40
JUNE											
21...	--	--	--	--	--	--	--	--	--	--	--
JULY											
11...	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
10...	--	--	--	--	--	--	--	--	--	--	--

WEEPING WATER CREEK BASIN

06806501 WEEPING WATER CREEK NEAR UNION, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	ALDRIN (UG/L) (39330)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)
OCT. 25...	13.0	9	--	8.2	4.4	--	--	--	--	--	--
NOV. 15...	8.5	9	--	10.4	2.0	1600	--	--	--	--	--
DEC. 20...	.0	4	--	11.6	1.0	533	--	--	--	--	--
JAN. 22...	1.0	20	--	12.8	3.0	900	.00	.0	.00	.00	.00
FEB. 12...	3.0	40	--	11.9	4.2	270	--	--	--	--	--
MAR. 06...	8.5	40	--	11.0	2.0	533	.00	.0	.00	.00	.00
APR. 18...	14.2	7	--	10.0	3.1	300	--	--	--	--	--
MAY 09...	15.6	20	40	8.5	2.7	1900	.00	.0	.00	.00	.00
30...	20.0	200	4000	4.2	2.2	222000	--	--	--	--	--
JUNE 21...	27.0	7	--	7.6	3.8	430	.01	.0	.00	.01	.00
JULY 11...	28.0	7	50	7.0	4.5	530	--	--	--	--	--
31...	25.5	4	35	8.7	3.0	550	--	--	--	--	--
SEP. 10...	24.0	8	15	8.9	1.9	360	--	--	--	--	--

DATE	DI-AZINON (UG/L) (39570)	DI-ELDRIN (UG/L) (39380)	ETHION (UG/L) (39398)	ENDRIN (UG/L) (39390)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	LINDANE (UG/L) (39340)	MALA-THION (UG/L) (39530)	METHYL PARA-THION (UG/L) (39600)	PARA-THION (UG/L) (39540)	METHYL TRI-THION (UG/L) (39790)	PCB (UG/L) (39516)
OCT. 25...	--	--	--	--	--	--	--	--	--	--	--	--
NOV. 15...	--	--	--	--	--	--	--	--	--	--	--	--
DEC. 20...	--	--	--	--	--	--	--	--	--	--	--	--
JAN. 22...	.00	.01	--	.00	.00	.00	.00	.00	.00	.00	--	.0
FEB. 12...	--	--	--	--	--	--	--	--	--	--	--	--
MAR. 06...	.00	.00	--	.00	.00	.00	.00	.00	.00	.00	--	.0
APR. 18...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 09...	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.0
30...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 21...	.00	.00	--	.00	.00	.00	.00	.00	.00	.00	--	.0
JULY 11...	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 10...	--	--	--	--	--	--	--	--	--	--	--	--

06806501 WEEPING WATER CREEK NEAR UNION, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOX-APHENE (UG/L) (39400)	TRI-THION (UG/L) (39786)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
OCT.												
25...	--	--	--	--	--	--	--	--	--	30	--	--
NOV.												
15...	--	--	--	--	--	--	--	--	--	60	--	--
DEC.												
20...	--	--	--	--	--	--	--	--	--	50	--	--
JAN.												
22...	--	--	.14	.00	.00	.0	1	0	0	40	1	0
FEB.												
12...	--	--	--	--	--	--	--	--	--	30	--	--
MAR.												
06...	--	--	.00	.00	.00	--	--	--	--	120	--	--
APR.												
18...	--	--	--	--	--	--	--	--	--	70	--	--
MAY												
09...	0	.00	.07	.04	.01	--	--	--	--	60	--	--
30...	--	--	--	--	--	.0	2	0	0	60	1	0
JUNE												
21...	0	--	.09	.02	.00	--	--	--	--	70	--	--
JULY												
11...	--	--	--	--	--	--	--	--	--	90	--	--
31...	--	--	--	--	--	--	--	--	--	80	--	--
SEP.												
10...	--	--	--	--	--	--	--	--	--	80	--	--

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	450	582	519	604	477	541	533	546	422	556	528	484
2	458	572	522	593	504	549	538	562	504	529	539	503
3	478	572	522	572	483	546	544	563	518	544	548	520
4	498	573	515	570	538	547	544	558	534	534	533	527
5	501	574	485	578	549	540	538	569	544	549	565	532
6	505	572	506	567	543	551	538	567	532	541	533	538
7	530	574	513	576	572	566	538	570	530	551	535	531
8	510	573	513	570	572	562	530	569	545	549	519	528
9	520	570	503	567	570	564	534	563	396	545	501	524
10	255	572	520	565	574	564	530	557	414	540	490	520
11	159	573	529	563	573	567	535	384	454	536	468	541
12	270	567	531	572	548	558	526	434	497	534	495	532
13	426	562	521	566	523	560	530	469	518	537	499	521
14	466	566	526	561	531	569	540	466	524	547	483	531
15	507	561	520	549	541	563	538	513	547	546	372	523
16	516	566	518	543	548	558	531	530	556	521	341	539
17	537	568	520	534	548	562	540	468	564	526	388	544
18	536	566	526	507	542	559	549	314	553	532	457	530
19	544	675	543	502	550	559	547	334	552	533	473	531
20	537	545	540	508	550	559	547	454	551	518	505	535
21	536	492	555	498	554	555	547	500	554	521	512	533
22	535	515	533	505	547	551	543	533	547	513	520	533
23	532	533	526	509	559	552	551	547	550	524	534	532
24	532	512	496	532	561	558	555	557	557	525	532	533
25	545	514	456	534	570	551	564	564	560	523	534	533
26	547	537	471	476	564	545	555	561	560	521	532	536
27	544	542	505	473	523	540	553	561	562	514	525	544
28	544	544	506	488	527	547	515	556	549	514	527	545
29	542	550	506	493	---	549	358	557	514	523	539	547
30	541	554	515	462	---	539	495	270	500	531	538	555
31	536	---	529	407	---	535	---	327	---	528	417	---
MONTH	488	559	516	534	544	554	533	501	524	532	499	531

06806501 WEEPING WATER CREEK NEAR UNION, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.0	14.0	9.0	4.0	5.0	10.0	16.0	18.5	22.0	27.5	23.0	19.0
2	21.0	13.0	11.0	5.0	6.0	13.0	17.0	20.0	22.0	28.5	22.5	17.5
3	20.0	13.0	8.0	5.0	5.0	13.0	15.0	19.0	22.5	27.0	22.5	18.0
4	19.0	12.0	10.0	5.0	5.0	13.0	10.0	17.5	22.5	24.0	23.0	19.0
5	18.0	9.0	9.0	5.0	6.0	12.0	11.0	18.0	24.0	26.0	21.0	19.0
6	18.0	9.0	8.0	4.0	5.0	13.0	16.0	18.5	22.5	28.0	22.0	18.0
7	19.0	9.0	6.0	5.0	5.0	12.0	16.0	19.0	21.0	28.0	21.0	21.5
8	22.0	11.0	7.0	5.0	5.0	15.0	16.0	17.5	18.5	29.0	23.5	23.5
9	22.0	10.0	6.0	4.0	5.0	13.0	16.0	17.0	18.0	30.0	24.0	23.0
10	21.0	11.0	7.0	4.0	7.0	11.0	16.0	18.5	18.5	27.0	24.5	24.5
11	18.0	11.0	7.0	3.0	8.0	11.0	16.0	17.5	19.0	28.0	26.0	22.0
12	16.0	13.0	7.0	3.0	8.0	12.0	15.0	16.5	22.0	30.0	28.5	17.5
13	19.0	13.0	7.0	5.0	9.0	12.0	15.0	19.5	23.5	30.5	25.5	16.5
14	18.0	15.0	7.0	5.0	8.0	11.0	12.0	16.5	24.5	30.0	24.0	17.5
15	19.0	14.0	6.0	6.0	8.0	12.0	13.0	19.5	22.5	29.5	24.5	20.5
16	17.0	12.0	6.0	6.0	8.0	9.0	15.0	19.5	21.5	28.0	25.0	22.0
17	18.0	12.0	6.0	6.0	9.0	9.0	16.0	18.5	22.0	29.0	22.5	22.0
18	17.0	11.0	5.0	7.0	8.0	10.0	17.0	19.0	25.0	31.0	21.0	22.5
19	18.0	12.0	5.0	6.0	10.0	11.0	19.5	20.0	27.5	31.0	25.0	20.5
20	16.0	12.0	5.0	7.0	10.0	9.0	16.5	24.0	29.0	31.0	28.0	19.0
21	18.0	11.0	4.0	7.0	10.0	8.0	18.0	23.5	29.0	31.0	25.0	19.0
22	19.0	9.0	5.0	7.0	7.0	5.0	17.5	21.5	27.0	30.5	26.0	17.0
23	19.0	10.0	5.0	7.0	7.0	6.0	16.5	20.0	24.0	30.0	24.5	17.5
24	18.0	9.0	6.0	8.0	6.0	6.0	15.5	20.5	23.0	27.5	24.0	17.5
25	18.0	8.0	6.0	8.0	6.0	10.0	18.5	20.0	23.0	28.0	26.0	19.0
26	17.0	10.0	5.0	8.0	8.0	13.0	19.0	20.0	23.5	29.0	27.5	20.5
27	15.0	10.0	5.0	8.0	9.0	15.0	21.5	20.0	25.0	28.5	24.0	19.5
28	14.0	9.0	5.0	7.0	10.0	17.0	20.0	24.0	24.5	28.0	22.0	16.5
29	12.0	8.0	6.0	7.0	---	16.0	17.5	21.5	28.5	28.5	21.0	15.5
30	15.0	8.0	3.0	8.0	---	16.0	19.0	20.0	25.0	27.0	23.0	14.0
31	13.0	---	4.0	6.0	---	18.0	---	21.0	---	26.5	20.0	---
MONTH	18.0	11.0	6.5	6.0	7.5	11.5	16.0	19.5	23.5	28.5	24.0	19.5

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	DIS-CHARGE (CFS) (00060)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
OCT.							
11...	1800	15.0	5730	4310	66700	25	28
APR.							
29...	1245	12.0	544	11400	16700	33	42
MAY							
30...	1740	20.0	2040	18400	101000	36	44

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
OCT.						
11...	46	78	81	83	89	100
APR.						
29...	61	100	--	--	--	--
MAY						
30...	59	100	--	--	--	--

06811500 LITTLE NEMAHA RIVER AT AUBURN, NEBR.

LOCATION.--Lat 40°23'33", long 98°48'46", in NE¼NW¼ sec.23, T.5 N., R.14 E., Nemaha County, at gaging station on U.S. Highway 136, 1 mi (1.6 km) east of Auburn.

DRAINAGE AREA.--793 mi^2 (2,054 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SIO2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)
OCT. 02...	1330	431	20	20	32	61	13	24	6.9	232
NOV. 05...	1530	280	--	--	--	--	--	--	--	--
20...	1130	443	--	--	--	--	--	--	--	--
DEC. 10...	1300	292	21	90	150	82	19	33	4.7	305
JAN. 22...	1400	975	15	60	70	45	11	21	5.9	179
FEB. 12...	1325	382	--	--	--	--	--	--	--	--
MAR. 28...	1120	245	--	--	--	--	--	--	--	--
APR. 18...	1115	196	--	--	--	--	--	--	--	--
MAY 09...	1230	207	--	--	--	--	--	--	--	--
JUNE 21...	1030	134	17	20	3200	65	19	53	3.7	285
JULY 11...	1315	70	--	--	--	--	--	--	--	--
31...	1400	39	--	--	--	--	--	--	--	--
SEP. 10...	1200	59	17	20	50	71	18	39	5.6	309

DATE	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CACO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)
OCT. 02...	0	190	42	7.6	.4	--	2.5	.04	1.5	1.5
NOV. 05...	--	--	--	12	--	--	3.8	.09	.63	.72
20...	--	--	--	10	--	--	3.3	.37	1.3	1.7
DEC. 10...	0	250	54	14	.2	--	3.8	.11	.99	1.1
JAN. 22...	0	147	39	7.1	.4	3.2	2.9	1.2	1.7	2.9
FEB. 12...	--	--	--	10	--	4.4	4.4	.12	.77	.89
MAR. 28...	--	--	--	10	--	2.3	2.4	.14	.52	.66
APR. 18...	--	--	--	11	--	2.3	2.2	.29	.40	.69
MAY 09...	--	--	--	12	--	2.7	2.6	.55	.55	1.1
JUNE 21...	--	234	54	12	.6	--	.91	.03	.97	1.0
JULY 11...	--	--	--	14	--	.67	.65	.14	1.1	1.2
31...	--	--	--	17	--	1.7	1.3	.32	1.1	1.4
SEP. 10...	--	253	61	20	.4	.73	.71	.51	1.2	1.7

06811500 LITTLE NEMAHA RIVER AT AUBURN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT. 02...	--	.64	.39	--	300	.41	349	210	16	.7
NOV. 05...	--	.34	.22	415	--	.56	314	--	--	--
20...	--	.52	.18	364	--	.50	435	--	--	--
DEC. 10...	--	.34	.26	--	395	.54	311	280	33	.9
JAN. 22...	6.1	1.2	.22	--	246	.33	648	160	11	.7
FEB. 12...	5.3	.42	.20	377	--	.51	389	--	--	--
MAR. 28...	3.0	.24	.15	360	--	.49	238	--	--	--
APR. 18...	3.0	.27	.16	368	--	.50	195	--	--	--
MAY 09...	3.8	.48	.13	371	--	.50	207	--	--	--
JUNE 21...	--	.01	.00	--	372	.51	135	240	7	1.5
JULY 11...	1.9	.28	.17	373	--	.51	70.5	--	--	--
31...	3.1	.44	.26	388	--	.53	40.9	--	--	--
SEP. 10...	2.4	.37	.34	--	388	.53	61.8	250	0	1.1

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)
OCT. 02...	490	7.6	18.0	40	90	7.2	6.1	4700	6600	--
NOV. 05...	653	7.7	7.0	--	--	12.0	2.1	2500	920	--
20...	597	7.7	9.5	--	120	10.1	2.7	5300	10500	--
DEC. 10...	636	7.8	2.0	10	45	10.1	2.8	7500	8400	--
JAN. 22...	408	7.4	1.5	30	340	12.4	4.8	2600	6700	3
FEB. 12...	621	7.6	4.5	--	80	11.9	3.3	200	700	--
MAR. 28...	592	8.0	11.0	--	20	10.0	3.4	450	200	--
APR. 18...	612	7.7	13.0	--	30	10.2	3.4	400	156	--
MAY 09...	605	7.8	15.2	--	50	8.9	1.9	2900	1430	--
JUNE 21...	589	7.7	23.5	--	--	10.0	6.0	750	540	--
JULY 11...	472	8.2	30.0	--	15	9.9	5.4	1430	560	--
31...	638	7.7	27.5	--	8	12.6	7.0	3300	2200	--
SEP. 10...	626	8.0	23.0	5	10	8.9	1.9	2400	1500	6

DATE	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 02...	70	--	--	--	--	--	--	--	--	--
NOV. 05...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
DEC. 10...	50	--	--	--	--	--	--	--	--	--
JAN. 22...	40	0	0	12	4	.1	.0	3	0	30
FEB. 12...	--	--	--	--	--	--	--	--	--	--
MAR. 28...	--	--	--	--	--	--	--	--	--	--
APR. 18...	--	--	--	--	--	--	--	--	--	--
MAY 09...	--	--	--	--	--	--	--	--	--	--
JUNE 21...	70	--	--	--	--	--	--	--	--	--
JULY 11...	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--
SEP. 10...	90	4	0	30	0	.2	.1	2	0	[illegible]

06815000 BIG NEMAHA RIVER AT FALLS CITY, NEBR.

LOCATION.--Lat 40°02'00", long 95°35'30", on line between secs.22 and 23, T.1 N., R.16 E., Richardson County, at gaging station at bridge on U.S. Highway 73, 1 mi (1.6 km) south of Falls City.

DRAINAGE AREA.--1,340 mi^2 (3,471 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1950 to July 1951, March 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT. 02...	1130	1500	18	20	16	78	16	18	6.1	274
NOV. 05...	1330	460	--	--	--	--	--	--	--	--
20...	1330	940	--	--	--	--	--	--	--	--
DEC. 10...	1625	808	17	40	50	96	21	25	4.3	340
JAN. 23...	0940	1580	14	170	50	59	13	18	4.9	206
FEB. 12...	1655	559	--	--	--	--	--	--	--	--
MAR. 28...	0900	412	--	--	--	--	--	--	--	--
APR. 18...	0830	282	--	--	--	--	--	--	--	--
MAY 09...	0930	342	--	--	--	--	--	--	--	--
JUNE 21...	0930	258	7.3	20	0	79	24	26	3.7	295
JULY 11...	0930	139	--	--	--	--	--	--	--	--
31...	1200	64	--	--	--	--	--	--	--	--
SEP. 10...	1430	68	9.6	30	40	72	23	44	5.8	268

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT. 02...	0	225	48	9.9	.4	--	2.2	.04	3.0	3.0
NOV. 05...	--	--	--	16	--	--	3.6	.06	.48	.54
20...	--	--	--	16	--	--	2.6	.94	4.5	5.4
DEC. 10...	0	279	60	13	.3	--	2.9	.17	.93	1.1
JAN. 23...	0	169	41	11	.3	2.8	2.8	.06	2.0	2.1
FEB. 12...	--	--	--	16	--	3.4	3.5	.24	.63	.87
MAR. 28...	--	--	--	16	--	1.9	2.0	.15	.47	.62
APR. 18...	--	--	--	21	--	1.9	1.9	.21	.56	.77
MAY 09...	--	--	--	19	--	2.1	2.0	.32	.78	1.1
JUNE 21...	--	242	78	15	.4	2.5	.12	.48	1.1	1.6
JULY 11...	--	--	--	23	--	.50	.42	.35	1.4	1.7
31...	--	--	--	30	--	1.0	1.0	.41	1.2	1.6
SEP. 10...	--	220	97	34	.3	.58	.55	.63	1.2	1.8

06815000 BIG NEMAHA RIVER AT FALLS CITY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA+MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM AD-SORPTION RATIO (00931)
OCT.										
02...	--	.83	.21	--	339	.46	1370	260	36	.5
NOV.										
05...	--	.23	.15	461	--	.63	573	--	--	--
20...	--	1.3	.13	365	--	.50	926	--	--	--
DEC.										
10...	--	.44	.19	--	417	.57	910	330	47	.6
JAN.										
23...	4.9	.75	.27	--	276	.38	1180	200	32	.6
FEB.										
12...	4.3	.34	.23	477	--	.65	720	--	--	--
MAR.										
28...	2.5	.21	.14	428	--	.58	476	--	--	--
APR.										
18...	2.7	.19	.09	439	--	.60	334	--	--	--
MAY										
09...	3.2	.22	.13	439	--	.60	405	--	--	--
JUNE										
21...	4.1	.39	.06	--	379	.52	264	300	54	.7
JULY										
11...	2.2	.23	.06	390	--	.53	146	--	--	--
31...	2.6	.32	.22	426	--	.58	73.6	--	--	--
SEP.										
10...	2.4	.34	.25	--	420	.57	77.1	270	55	1.2

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)
OCT.										
02...	575	7.2	18.0	20	175	7.7	2.0	7600	15000	--
NOV.										
05...	783	7.5	6.5	--	--	12.4	3.0	1670	650	--
20...	605	7.5	11.0	--	500	8.6	8.6	34300	43000	--
DEC.										
10...	681	7.8	2.0	9	80	9.5	.9	7160	4300	--
JAN.										
23...	458	7.9	1.0	40	250	--	4.2	--	--	1
FEB.										
12...	771	7.8	8.0	--	40	11.9	4.7	7000	1230	--
MAR.										
28...	703	8.0	12.0	--	10	9.0	3.8	2700	600	--
APR.										
18...	739	8.0	12.2	--	20	9.9	10	500	1060	--
MAY										
09...	706	7.8	14.8	--	65	8.5	3.0	4000	4800	--
JUNE										
21...	664	7.5	24.0	5	--	6.8	4.2	2000	500	--
JULY										
11...	647	7.7	24.0	--	35	8.6	8.8	3200	1460	--
31...	692	7.8	27.0	--	10	9.2	4.9	1950	2580	--
SEP.										
10...	701	7.8	26.5	10	20	10.6	5.5	4900	7700	4

DATE	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT.										
02...	70	--	--	--	--	--	--	--	--	--
NOV.										
05...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
DEC.										
10...	50	--	--	--	--	--	--	--	--	--
JAN.										
23...	30	4	0	30	6	.0	.0	4	0	50
FEB.										
12...	--	--	--	--	--	--	--	--	--	--
MAR.										
28...	--	--	--	--	--	--	--	--	--	--
APR.										
18...	--	--	--	--	--	--	--	--	--	--
MAY										
09...	--	--	--	--	--	--	--	--	--	--
JUNE										
21...	70	--	--	--	--	--	--	--	--	--
JULY										
11...	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--
SEP.										
10...	110	3	0	30	1	.2	.0	2	0	0

06829500 REPUBLICAN RIVER AT TRENTON, NEBR.

LOCATION.--Lat 40°10'00", long 101°02'40", in SE¼ sec.4, T.2 N., R.33 W., Hitchcock County, at gaging station 300 ft (91 m) upstream from Elm Creek, 0.9 mi (1.4 km) downstream from centerline of spillway of Trenton Dam, and 1.5 mi (2.4 km) southwest of Trenton.

DRAINAGE AREA.--8,620 mi^2 (22,300 km^2), approximately, of which about 3,940 mi^2 (10,200 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT. 25...	1115	1.3	--	--	--	--	--	--	--	--
NOV. 15...	0945	1.5	--	--	--	--	--	--	--	--
FEB. 13...	1015	49	25	47	20	42	14	252	0	207
MAR. 15...	1200	190	--	--	--	--	--	--	--	--
APR. 23...	1130	200	--	--	--	--	--	--	--	--
MAY 08...	1315	40	--	--	--	--	--	--	--	--
JUNE 19...	1035	25	--	--	--	--	--	--	--	--
JULY 17...	1100	193	--	--	--	--	--	--	--	--
AUG. 23...	0935	298	--	--	--	--	--	--	--	--
SEP. 19...	1115	.80	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)
OCT. 25...	--	--	--	--	--	--	--	--	--
NOV. 15...	--	--	--	--	--	--	--	--	--
FEB. 13...	72	11	1.4	.49	.03	359	.49	47.5	200
MAR. 15...	--	--	--	--	--	--	--	--	--
APR. 23...	--	--	--	--	--	--	--	--	--
MAY 08...	--	--	--	--	--	--	--	--	--
JUNE 19...	--	--	--	--	--	--	--	--	--
JULY 17...	--	--	--	--	--	--	--	--	--
AUG. 23...	--	--	--	--	--	--	--	--	--
SEP. 19...	--	--	--	--	--	--	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 25...	--	--	730	8.0	10.0	--	4	15.5	--
NOV. 15...	--	--	750	8.1	4.5	--	4	13.6	--
FEB. 13...	0	1.3	600	8.2	2.0	10	8	11.9	130
MAR. 15...	--	--	520	8.3	5.0	--	5	12.5	--
APR. 23...	--	--	520	8.1	11.0	--	25	9.6	--
MAY 08...	--	--	510	8.4	22.0	--	20	10.8	--
JUNE 19...	--	--	600	8.3	22.0	--	20	9.1	--
JULY 17...	--	--	525	7.7	26.0	--	15	7.2	--
AUG. 23...	--	--	540	8.0	23.0	--	15	7.7	--
SEP. 19...	--	--	600	7.8	20.0	--	3	10.6	--

06835500 FRENCHMAN CREEK AT CULBERTSON, NEBR.

(Published under the name FRENCHMAN RIVER AT CULBERTSON, NEBR., in 1973 report.)

LOCATION.--Lat 40°14'05", long 100°52'40", in SW¼SE¼ sec.12, T.3 N., R.32 W., Hitchcock County, at gaging station at bridge on U.S. Highways 6 and 34, 2 mi (3.2 km) west of Culbertson and 4.5 mi (7.2 km) upstream from mouth.

DRAINAGE AREA.--2,770 mi^2 (7,170 km^2), approximately, of which about 1,470 mi^2 (3,810 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT. 25...	1325	108	--	--	--	--	--	--	--	--
NOV. 15...	1210	99	--	--	--	--	--	--	--	--
DEC. 17...	1050	100	--	--	--	--	--	--	--	--
JAN. 14...	1300	76	--	--	--	--	--	--	--	--
FEB. 13...	1110	116	54	58	16	22	14	268	0	220
MAR. 15...	1330	126	--	--	--	--	--	--	--	--
APR. 23...	1050	49	--	--	--	--	--	--	--	--
MAY 08...	1100	35	--	--	--	--	--	--	--	--
JUNE 19...	0950	46	--	--	--	--	--	--	--	--
JULY 17...	1230	37	--	--	--	--	--	--	--	--
AUG. 23...	1230	17	--	--	--	--	--	--	--	--
SEP. 19...	1245	55	--	--	--	--	--	--	--	--

06835500 FRENCHMAN CREEK AT CULBERTSON, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)
OCT. 25...	--	--	--	--	--	--	--	--	--
NOV. 15...	--	--	--	--	--	--	--	--	--
DEC. 17...	--	--	--	--	--	--	--	--	--
JAN. 14...	--	--	--	--	--	--	--	--	--
FEB. 13...	33	5.3	1.2	2.0	.05	345	.47	108	210
MAR. 15...	--	--	--	--	--	--	--	--	--
APR. 23...	--	--	--	--	--	--	--	--	--
MAY 08...	--	--	--	--	--	--	--	--	--
JUNE 19...	--	--	--	--	--	--	--	--	--
JULY 17...	--	--	--	--	--	--	--	--	--
AUG. 23...	--	--	--	--	--	--	--	--	--
SEP. 19...	--	--	--	--	--	--	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 25...	--	--	550	8.0	11.0	--	60	9.8	--
NOV. 15...	--	--	600	8.1	7.0	--	40	10.8	--
DEC. 17...	--	--	500	7.9	2.0	--	55	12.2	--
JAN. 14...	--	--	500	7.7	.0	--	25	12.1	--
FEB. 13...	0	.7	520	8.1	3.0	20	60	11.3	90
MAR. 15...	--	--	485	7.9	9.0	--	75	10.4	--
APR. 23...	--	--	600	7.8	12.0	--	25	9.1	--
MAY 08...	--	--	640	8.0	17.0	--	5	8.9	--
JUNE 19...	--	--	650	8.2	21.0	--	30	7.4	--
JULY 17...	--	--	435	7.8	28.0	--	150	6.8	--
AUG. 23...	--	--	610	8.0	23.0	--	20	7.9	--
SEP. 19...	--	--	440	7.5	19.5	--	55	8.5	--

06837000 REPUBLICAN RIVER AT MC COOK, NEBR.

LOCATION.--Lat 40°11'15", long 100°37'05", in SW¼NE¼ sec.32, T.3 N., R.29 W., Red Willow County, temperature recorder at gaging station at bridge on U.S. Highway 83 at south edge of McCook, 2.5 mi (4.0 km) downstream from Driftwood Creek and 10.5 mi (16.9 km) upstream from Red Willow Creek.

DRAINAGE AREA.--12,310 mi^2 (31,900 km^2), approximately, of which about 6,260 mi^2 (16,200 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Water temperatures: December 1966 to September 1974.

EXTREMES.--1973-74:

Water temperatures: Maximum, 34.0°C July 7, 8, 10, 11; minimum, freezing point on many days during November to February.

Period of record:

Water temperatures: Maximum (1966-74), 38.5°C June 24, 1971; minimum, freezing point on many days during winter period.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.0	13.0	12.0	6.0	4.5	2.0	0.0	0.0	1.0	0.0	9.5	6.0
2	16.0	15.0	8.0	5.5	5.5	4.0	0.0	0.0	1.0	0.5	10.0	8.0
3	15.5	14.5	6.0	4.5	5.5	3.5	0.0	0.0	1.5	0.5	11.0	8.0
4	16.5	12.0	4.5	3.5	5.5	1.5	0.0	0.0	2.0	0.5	10.0	6.5
5	16.0	12.0	4.5	3.5	3.5	0.0	0.0	0.0	3.0	1.0	9.5	4.5
6	19.5	14.5	6.5	4.5	4.0	0.0	0.0	0.0	3.0	1.0	11.0	5.5
7	19.5	14.5	8.0	5.5	4.5	0.0	0.0	0.0	2.5	1.0	9.0	6.5
8	20.0	15.0	7.0	4.5	5.0	0.0	0.0	0.0	2.5	1.0	11.0	5.0
9	19.0	16.0	6.0	4.0	5.5	0.0	0.0	0.0	3.0	1.5	10.0	6.5
10	16.0	13.5	10.0	5.0	5.0	0.0	0.0	0.0	4.5	1.5	6.5	4.0
11	13.5	10.5	12.0	5.5	6.0	0.0	0.0	0.0	6.0	1.5	7.0	4.0
12	14.0	9.5	11.0	6.5	6.0	0.0	0.0	0.0	5.5	1.5	6.0	5.0
13	15.5	10.5	13.0	6.5	5.5	0.0	0.0	0.0	5.5	2.0	5.5	4.5
14	17.0	11.0	12.0	6.5	2.0	0.0	0.0	0.0	5.5	2.0	9.0	4.5
15	18.0	12.0	10.5	5.5	2.0	0.0	0.0	0.0	5.0	2.0	10.0	6.0
16	11.0	14.0	8.5	4.0	2.0	0.0	0.0	0.0	6.0	2.5	9.5	5.5
17	16.5	9.5	9.5	3.5	4.0	0.0	0.0	0.0	5.5	2.5	12.0	6.0
18	18.5	11.0	9.5	4.0	2.0	0.0	0.0	0.0	5.5	2.5	11.5	9.0
19	18.5	12.0	7.0	3.0	1.0	0.0	0.5	0.0	5.0	3.0	10.0	6.0
20	18.5	11.0	3.0	0.5	0.5	0.0	0.5	0.0	5.5	3.0	8.5	4.5
21	19.5	12.0	1.0	0.0	0.0	0.0	0.5	0.0	4.0	3.0	7.0	1.5
22	19.0	12.0	2.0	0.0	0.0	0.0	0.0	0.0	4.5	3.5	6.0	4.5
23	20.0	5.5	4.0	0.0	0.0	0.0	0.0	0.0	4.5	3.5	5.5	3.0
24	16.0	11.0	5.0	0.5	0.0	0.0	0.5	0.0	4.0	3.5	6.5	3.0
25	15.5	9.0	3.5	0.5	0.0	0.0	0.5	0.0	5.5	3.5	9.0	5.0
26	13.0	9.0	6.5	2.0	0.0	0.0	1.0	0.0	6.5	3.5	10.5	6.5
27	11.0	6.5	8.0	3.0	0.0	0.0	1.0	0.0	6.5	5.0	11.0	8.5
28	12.0	5.0	6.5	0.5	0.0	0.0	1.5	0.0	8.0	5.5	14.0	9.0
29	13.0	5.5	8.0	1.5	0.0	0.0	1.5	0.0	---	---	13.5	9.5
30	14.0	8.5	7.0	3.0	0.0	0.0	2.0	0.0	---	---	13.0	8.5
31	12.0	6.0	---	---	0.0	0.0	1.5	0.0	---	---	15.0	10.0
MONTH	20.0	5.0	13.0	0.0	6.0	0.0	2.0	0.0	8.0	0.0	15.0	1.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.0	10.5	21.5	14.5	21.5	13.5	30.5	23.5	27.0	23.5	16.5	14.0
2	14.5	8.5	23.5	15.0	27.0	14.0	30.5	23.5	25.5	20.5	18.0	13.0
3	11.0	3.0	22.0	13.5	29.5	15.5	31.0	23.0	26.0	19.5	19.5	11.5
4	9.0	1.5	21.5	13.5	29.5	16.0	30.0	22.5	27.0	19.0	21.5	12.0
5	13.0	5.5	25.0	12.0	29.5	18.0	33.5	22.0	24.5	19.0	22.0	13.0
6	14.5	8.0	26.0	14.0	23.5	16.5	33.5	23.0	23.0	17.0	24.5	15.5
7	12.0	7.0	24.0	15.0	23.0	15.5	34.0	24.0	23.5	19.5	25.5	15.5
8	12.0	5.5	26.5	14.0	19.0	13.0	34.0	24.0	25.5	20.5	27.0	16.5
9	13.0	9.0	24.0	15.5	18.5	13.0	33.5	23.5	25.0	21.5	26.5	16.5
10	15.0	9.5	25.0	15.5	21.0	13.0	34.0	23.0	26.5	21.5	27.0	16.5
11	15.5	12.0	18.0	11.0	21.5	13.0	34.0	23.5	29.0	19.0	20.5	13.0
12	14.5	8.5	21.5	11.0	23.0	13.5	33.5	23.0	31.0	21.0	13.5	10.5
13	13.0	8.5	21.5	15.0	24.0	14.0	33.5	23.0	28.0	21.0	19.0	8.0
14	13.0	6.0	20.0	11.0	25.0	15.5	33.0	24.0	30.0	19.5	20.0	9.5
15	11.5	9.0	22.0	10.0	25.0	16.5	30.5	24.0	28.5	18.5	23.5	11.5
16	14.0	6.5	20.0	15.0	23.5	16.0	31.0	23.0	31.5	21.5	24.0	13.5
17	14.0	9.5	17.0	14.5	24.0	19.0	31.0	22.0	29.0	21.0	25.0	13.0
18	18.0	10.0	23.5	14.0	25.0	19.0	31.5	23.5	27.0	19.5	25.0	13.0
19	18.0	13.0	28.5	17.0	26.0	20.5	31.5	23.5	30.0	21.5	23.5	14.0
20	19.5	13.5	25.0	18.0	27.5	21.0	31.5	23.5	26.5	20.0	15.0	10.0
21	16.0	11.5	25.5	14.0	27.0	20.5	33.5	24.0	24.5	21.0	19.0	7.0
22	18.0	10.5	25.0	13.5	26.0	20.0	28.0	23.5	25.0	20.0	19.5	8.5
23	19.5	11.5	25.5	14.0	24.0	19.5	30.0	22.0	25.5	20.5	21.0	10.5
24	20.5	12.0	27.0	15.5	25.5	18.5	31.0	23.5	25.5	20.5	22.0	10.5
25	23.0	15.0	24.0	16.0	28.5	19.0	30.5	21.5	27.0	20.0	23.0	10.5
26	24.5	18.0	28.0	15.0	28.5	21.0	33.0	23.5	27.0	19.5	24.5	11.0
27	21.5	16.5	28.5	16.5	28.5	20.5	30.0	23.0	24.5	19.0	19.0	11.0
28	20.5	14.5	30.5	18.5	30.0	21.5	31.5	22.0	23.5	16.0	19.5	8.5
29	19.5	14.0	26.5	18.5	31.5	23.5	31.0	22.0	21.0	18.5	21.0	9.0
30	21.0	11.5	27.0	18.5	30.0	23.5	30.0	23.0	24.5	17.0	18.5	8.5
31	---	---	24.0	13.5	---	---	29.0	23.0	20.5	16.5	---	---
MONTH	24.5	1.5	30.5	10.0	31.5	13.0	34.0	21.5	31.5	16.0	27.0	7.0

06837900 RED WILLOW CREEK AT RED WILLOW DIVERSION DAM, NEAR MC COOK, NEBR.

LOCATION.--Lat 40°16'50", long 100°32'20", in SW¼SE¼ sec.25, T.4 N., R.29 W., Red Willow County, at county road bridge 3 mi (4.8 km) north and 2 mi (3.2 km) west of Red Willow schoolhouse and about 6 mi (9.7 km) northeast of McCook.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1974.

REMARKS.--Discharges estimated from records for Red Willow Creek near McCook, Nebr. (sta 06837500) and Red Willow Creek near Red Willow, Nebr. (sta 06838000).

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT. 25...	0845	10	--	--	--	--	--	--	--	--
NOV. 15...	1435	17	--	--	--	--	--	--	--	--
DEC. 17...	1440	11	--	--	--	--	--	--	--	--
JAN. 14...	1655	9.1	--	--	--	--	--	--	--	--
FEB. 13...	1330	12	56	72	22	28	13	324	0	266
MAR. 15...	1440	10	--	--	--	--	--	--	--	--
APR. 23...	0915	12	--	--	--	--	--	--	--	--
MAY 08...	0900	10	--	--	--	--	--	--	--	--
JUNE 19...	0845	35	--	--	--	--	--	--	--	--
JULY 17...	1415	21	--	--	--	--	--	--	--	--
AUG. 23...	1340	4.7	--	--	--	--	--	--	--	--
SEP. 19...	1445	5.0	--	--	--	--	--	--	--	--

06837900 RED WILLOW CREEK AT RED WILLOW DIVERSION DAM, NEAR MC COOK, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA+MG) (MG/L) (00900)
OCT.									
25...	--	--	--	--	--	--	--	--	--
NOV.									
15...	--	--	--	--	--	--	--	--	--
DEC.									
17...	--	--	--	--	--	--	--	--	--
JAN.									
14...	--	--	--	--	--	--	--	--	--
FEB.									
13...	24	38	1.0	1.5	.05	420	.57	13.6	270
MAR.									
15...	--	--	--	--	--	--	--	--	--
APR.									
23...	--	--	--	--	--	--	--	--	--
MAY									
08...	--	--	--	--	--	--	--	--	--
JUNE									
19...	--	--	--	--	--	--	--	--	--
JULY									
17...	--	--	--	--	--	--	--	--	--
AUG.									
23...	--	--	--	--	--	--	--	--	--
SEP.									
19...	--	--	--	--	--	--	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
25...	--	--	750	7.9	8.0	--	120	9.5	--
NOV.									
15...	--	--	770	8.0	7.0	--	90	10.8	--
DEC.									
17...	--	--	610	8.0	4.0	--	85	12.0	--
JAN.									
14...	--	--	640	7.6	.0	--	20	9.1	--
FEB.									
13...	5	.7	660	8.1	2.0	10	55	11.0	90
MAR.									
15...	--	--	600	7.9	10.0	--	45	9.4	--
APR.									
23...	--	--	595	7.7	9.0	--	30	9.6	--
MAY									
08...	--	--	610	7.8	13.0	--	40	8.3	--
JUNE									
19...	--	--	580	8.3	21.0	--	35	7.4	--
JULY									
17...	--	--	460	7.6	23.0	--	35	7.2	--
AUG.									
23...	--	--	460	8.0	22.0	--	35	7.6	--
SEP.									
19...	--	--	700	7.5	22.0	--	200	7.6	--

342500 MEDICINE CREEK BELOW HARRY STRUNK LAKE, NEBR.

LOCATION.--Lat 40°22'20", long 100°13'20", at center of sec.25, T.5 N., R.26 W., Frontier County, at gaging station 0.5 mi (0.8 km) downstream from Medicine Creek Dam and 6.5 mi (10.5 km) northwest of Cambridge.

DRAINAGE AREA.--880 mi^2 (2,280 km^2), approximately, of which about 640 mi^2 (1,700 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1974.

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBEH 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT. 24...	1115	2.6	--	--	--	--	--	--	--	--
NOV. 28...	1310	1.5	--	--	--	--	--	--	--	--
DEC. 18...	1140	3.7	--	--	--	--	--	--	--	--
JAN. 15...	1135	3.3	--	--	--	--	--	--	--	--
FEB. 12...	1045	3.1	38	55	15	16	13	268	0	220
MAR. 13...	1110	5.1	--	--	--	--	--	--	--	--
APR. 22...	1610	79	--	--	--	--	--	--	--	--
MAY 21...	1400	37	--	--	--	--	--	--	--	--
JUNE 17...	1125	66	--	--	--	--	--	--	--	--
JULY 16...	1440	392	--	--	--	--	--	--	--	--
AUG. 27...	1120	62	--	--	--	--	--	--	--	--
SEP. 24...	1140	.45	--	--	--	--	--	--	--	--

06842500 MEDICINE CREEK BELOW HARRY STRUNK LAKE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)
OCT.									
24...	--	--	--	--	--	--	--	--	--
NOV.									
28...	--	--	--	--	--	--	--	--	--
DEC.									
18...	--	--	--	--	--	--	--	--	--
JAN.									
15...	--	--	--	--	--	--	--	--	--
FEB.									
12...	19	5.2	.9	1.1	.04	299	.41	2.50	200
MAR.									
13...	--	--	--	--	--	--	--	--	--
APR.									
22...	--	--	--	--	--	--	--	--	--
MAY									
21...	--	--	--	--	--	--	--	--	--
JUNE									
17...	--	--	--	--	--	--	--	--	--
JULY									
16...	--	--	--	--	--	--	--	--	--
AUG.									
27...	--	--	--	--	--	--	--	--	--
SEP.									
24...	--	--	--	--	--	--	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
24...	--	--	530	7.8	12.0	--	6	8.9	--
NOV.									
28...	--	--	580	8.1	3.0	--	6	14.2	--
DEC.									
18...	--	--	420	8.0	1.0	--	10	12.9	--
JAN.									
15...	--	--	440	7.7	.0	--	3	10.8	--
FEB.									
12...	0	.5	460	8.0	2.0	20	3	10.6	70
MAR.									
13...	--	--	408	8.0	4.0	--	5	11.3	--
APR.									
22...	--	--	360	8.2	13.0	--	10	11.0	--
MAY									
21...	--	--	340	7.6	20.0	--	15	9.8	--
JUNE									
17...	--	--	380	8.4	20.0	--	6	10.0	--
JULY									
16...	--	--	360	7.7	24.0	--	10	7.2	--
AUG.									
27...	--	--	350	7.6	23.0	--	20	7.7	--
SEP.									
24...	--	--	395	8.0	16.0	--	20	9.4	--

06844500 REPUBLICAN RIVER NEAR ORLEANS, NEBR.

LOCATION.--Lat 40°07'53", long 99°30'08", in NE¼NE¼ sec.19, T.2 N., R.19 W., Harlan County, at gaging station at bridge on State Highway 89, 200 ft (61 m) downstream from Burlington Northern Inc. bridge, 2 mi (3.2 km) west of Orleans, 2.8 mi (4.5 km) upstream from Sappa Creek, and 23 mi (37.0 km) upstream from Harlan County Dam.

DRAINAGE AREA.--15,640 mi^2 (40,500 km^2), approximately, of which about 8,910 mi^2 (23,100 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT.										
16...	1330	265	44	190	33	73	22	45	15	345
NOV.										
08...	0900	230	--	--	--	--	--	--	--	--
20...	1100	278	--	--	--	--	--	--	--	--
26...	1500	283	--	--	--	--	--	--	--	--
DEC.										
10...	1140	253	--	--	--	--	--	--	--	--
26...	1110	170	--	--	--	--	--	--	--	--
JAN.										
08...	1205	160	--	--	--	--	--	--	--	--
21...	1055	275	40	--	50	66	19	35	14	300
FEB.										
19...	1045	335	--	--	--	--	--	--	--	--
MAR.										
19...	1030	418	--	--	--	--	--	--	--	--
APR.										
15...	1045	470	32	250	60	61	20	41	15	288
MAY										
28...	1130	130	--	--	--	--	--	--	--	--
JUNE										
24...	1145	169	--	--	--	--	--	--	--	--
JULY										
08...	1000	55	--	--	--	--	--	--	--	--
22...	0945	20	33	50	10	57	21	25	18	289
AUG.										
20...	0950	49	--	--	--	--	--	--	--	--
SEP.										
03...	1010	125	--	--	--	--	--	--	--	--
16...	1000	86	--	--	--	--	--	--	--	--

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT.										
16...	0	283	84	22	.9	--	1.7	.06	.94	1.0
NOV.										
08...	--	--	--	18	--	--	1.8	.14	.96	1.1
20...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
DEC.										
10...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
JAN.										
08...	--	--	--	--	--	--	--	--	--	--
21...	0	246	59	18	.7	1.9	1.8	.36	.74	1.1
FEB.										
19...	--	--	--	18	--	1.8	1.8	.13	.73	.86
MAR.										
19...	--	--	--	17	--	.98	.94	.40	.70	1.1
APR.										
15...	0	236	75	15	1.0	.97	.95	.22	.78	1.0
MAY										
28...	--	--	--	19	--	.02	.01	.24	.13	.37
JUNE										
24...	--	--	--	19	--	.03	.01	.05	1.3	1.3
JULY										
08...	--	--	--	--	--	--	--	--	--	--
22...	--	237	60	15	.6	.13	.01	.51	.89	1.4
AUG.										
20...	--	--	--	17	--	.02	.01	.07	1.6	1.7
SEP.										
03...	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	21	--	1.1	1.1	.28	1.6	1.9

06844500 REPUBLICAN RIVER NEAR ORLEANS, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED-PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT.										
16...	--	.47	.28	--	484	.66	346	270	0	1.2
NOV.										
08...	--	.32	.22	458	--	.62	284	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
DEC.										
10...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
JAN.										
08...	--	--	--	--	--	--	--	--	--	--
21...	3.0	.31	.25	--	408	.55	303	240	0	1.0
FEB.										
19...	2.7	.30	.18	450	--	.61	407	--	--	--
MAR.										
19...	2.1	.30	.13	418	--	.57	472	--	--	--
APR.										
15...	2.0	.24	.16	--	407	.55	516	230	0	1.2
MAY										
28...	.39	.35	.06	429	--	.58	151	--	--	--
JUNE										
24...	1.3	.33	.05	386	--	.53	176	--	--	--
JULY										
08...	--	--	--	--	--	--	--	--	--	--
22...	1.5	.30	.09	--	382	.52	20.6	230	0	1.0
AUG.										
20...	1.7	.21	.06	374	--	.51	49.5	--	--	--
SEP.										
03...	--	--	--	--	--	--	--	--	--	--
16...	3.0	.40	.14	463	--	.63	108	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)
OCT.										
16...	720	8.1	12.0	20	80	8.6	.8	1150	1450	--
NOV.										
08...	750	8.2	4.0	--	35	11.7	1.2	620	1500	--
20...	725	8.0	2.0	--	55	12.3	--	--	--	--
26...	800	8.2	2.0	--	40	12.8	--	--	--	--
DEC.										
10...	700	8.1	.0	--	20	13.7	--	--	--	--
26...	740	7.9	.0	--	10	5.7	--	--	--	--
JAN.										
08...	850	7.7	.0	--	10	9.3	--	--	--	--
21...	650	7.8	.0	30	20	10.0	3.9	1080	5200	11
FEB.										
19...	640	8.2	4.0	--	40	11.0	4.8	88	110	--
MAR.										
19...	590	8.3	7.0	--	50	10.6	2.0	100	120	--
APR.										
15...	560	8.1	10.0	10	35	9.8	.3	62	190	--
MAY										
28...	590	8.2	25.0	--	45	10.0	14	260	900	--
JUNE										
24...	560	8.2	24.0	--	45	8.7	21	460	600	--
JULY										
08...	595	8.2	22.0	--	25	9.6	--	--	--	--
22...	609	8.0	23.0	8	15	7.2	2.3	440	850	10
AUG.										
20...	580	8.0	22.0	--	50	8.5	8.4	550	680	--
SEP.										
03...	580	7.8	12.0	--	100	10.2	--	--	--	--
16...	699	8.2	17.0	--	60	9.4	19	310	440	--

06844500 REPUBLICAN RIVER NEAR ORLEANS, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT.										
16...	200	--	--	--	--	--	--	--	--	--
NOV.										
08...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
DEC.										
10...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
JAN.										
08...	--	--	--	--	--	--	--	--	--	--
21...	250	2	0	13	8	--	--	5	0	30
FEB.										
19...	--	--	--	--	--	--	--	--	--	--
MAR.										
19...	--	--	--	--	--	3.4	3.8	--	--	--
APR.										
15...	130	--	--	--	--	--	--	--	--	--
MAY										
28...	--	--	--	--	--	--	--	--	--	--
JUNE										
24...	--	--	--	--	--	--	--	--	--	--
JULY										
08...	--	--	--	--	--	--	--	--	--	--
22...	150	1	0	9	7	1.7	1.6	0	0	10
AUG.										
20...	--	--	--	--	--	--	--	--	--	--
SEP.										
03...	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--

06849500 REPUBLICAN RIVER BELOW HARLAN COUNTY DAM, NEBR.

LOCATION.--Lat 40°04'45", long 99°10'05", in SW¼ sec.6, T.1 N., R.16 W., Franklin County, at gaging station 1.4 mi (2.3 km) west of Naponee, 1.4 mi (2.3 km) upstream from Turkey Creek, and 2.8 mi (4.5 km) downstream from Harlan County Dam.

DRAINAGE AREA.--20,760 mi^2 (53,800 km^2), approximately, of which about 13,550 mi^2 (35,100 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT.										
02...	1410	17	--	--	--	--	--	--	--	--
NOV.										
05...	1415	11	--	--	--	--	--	--	--	--
DEC.										
10...	1415	19	--	--	--	--	--	--	--	--
JAN.										
09...	1240	14	--	--	--	--	--	--	--	--
FEB.										
05...	1350	537	18	54	19	36	20	255	0	209
MAR.										
06...	1430	547	--	--	--	--	--	--	--	--
APR.										
01...	1620	334	--	--	--	--	--	--	--	--
29...	1350	630	--	--	--	--	--	--	--	--
MAY										
28...	1420	64	--	--	--	--	--	--	--	--
JUNE										
10...	1530	69	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)
OCT.									
02...	--	--	--	--	--	--	--	--	--
NOV.									
05...	--	--	--	--	--	--	--	--	--
DEC.									
10...	--	--	--	--	--	--	--	--	--
JAN.									
09...	--	--	--	--	--	--	--	--	--
FEB.									
05...	68	18	.6	.96	.14	364	.50	528	210
MAR.									
06...	--	--	--	--	--	--	--	--	--
APR.									
01...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--
MAY									
28...	--	--	--	--	--	--	--	--	--
JUNE									
10...	--	--	--	--	--	--	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
02...	--	--	650	7.8	17.0	--	15	9.1	--
NOV.									
05...	--	--	700	8.0	7.0	--	8	17.5	--
DEC.									
10...	--	--	620	7.9	2.0	--	15	13.0	--
JAN.									
09...	--	--	630	7.7	.0	--	5	9.7	--
FEB.									
05...	4	1.1	600	8.0	2.0	10	5	12.7	130
MAR.									
06...	--	--	480	8.4	6.0	--	5	14.2	--
APR.									
01...	--	--	520	8.2	10.0	--	13	12.1	--
29...	--	--	560	8.1	14.0	--	25	10.9	--
MAY									
28...	--	--	550	8.2	26.0	--	10	11.9	--
JUNE									
10...	--	--	580	8.3	23.0	--	55	9.8	--

06853000 REPUBLICAN RIVER NEAR GUIDE ROCK, NEBR.

LOCATION.--Lat 40°04'05", long 98°22'25", in SW¼NE¼ sec.7, T.1 N., R.9 W., Webster County, at gaging station 300 ft (91 m) upstream from Willow Creek, 0.2 mi (0.3 km) downstream from Courtland diversion dam, and 2 mi (3.2 km) southwest of Guide Rock.

DRAINAGE AREA.--22,040 mi^2 (57,100 km^2), approximately, of which about 14,550 mi^2 (37,700 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: November 1961 to September 1974.

REMARKS.--Some of the chemical analyses by Kansas State Department of Health, Topeka, Kans.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
OCT.											
10...	1200	2640	13	420	50	20	5.0	11	11	114	0
18...	1830	370	34	80	0	110	20	35	13	340	0
NOV.											
08...	1130	210	--	--	--	--	--	--	--	--	--
15...	1745	198	32	--	--	110	17	34	11	320	0
DEC.											
13...	1330	208	33	--	--	110	20	34	11	340	0
JAN.											
16...	1800	260	31	--	--	100	15	31	9.7	300	0
21...	1540	316	30	440	80	99	17	28	10	300	0
FEB.											
19...	1600	684	--	--	--	--	--	--	--	--	--
21...	1735	672	23	--	--	73	18	35	14	280	0
MAR.											
19...	0830	688	18	--	--	56	18	35	15	230	0
19...	1500	685	--	--	--	--	--	--	--	--	--
APR.											
15...	1545	520	19	390	30	71	18	35	14	269	0
16...	1930	504	23	60	0	75	20	35	14	280	0
MAY											
24...	0805	148	28	--	--	99	20	35	13	320	0
29...	0940	128	--	--	--	--	--	--	--	--	--
JUNE											
19...	1530	26	28	--	--	83	16	32	13	280	0
24...	1645	61	--	--	--	--	--	--	--	--	--
JULY											
16...	1500	24	12	--	--	53	17	38	14	230	0
22...	1530	44	13	30	10	49	19	35	17	240	--
AUG.											
20...	1445	214	--	--	--	--	--	--	--	--	--
21...	0900	178	14	--	--	64	18	36	16	260	0
SEP.											
12...	1715	31	25	--	--	82	15	32	11	270	0
16...	1345	100	--	--	--	--	--	--	--	--	--

06853000 REPUBLICAN RIVER NEAR GUIDE ROCK, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRATE (N) (MG/L) (00618)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)
OCT.										
10...	94	26	6.8	.4	--	--	1.1	.49	.81	1.3
18...	280	130	25	.5	.93	--	--	--	--	--
NOV.										
08...	--	--	22	--	--	--	.92	.05	.44	.49
15...	260	120	25	.3	.77	--	--	--	--	--
DEC.										
13...	280	120	26	.4	1.1	--	--	--	--	--
JAN.										
16...	250	100	22	.2	1.1	--	--	--	--	--
21...	246	110	22	.4	--	1.4	1.4	.44	.76	1.2
FEB.										
19...	--	--	19	--	--	1.2	1.2	.07	.55	.62
21...	230	83	22	.6	.97	--	--	--	--	--
MAR.										
19...	190	81	22	.6	.32	--	--	--	--	--
19...	--	--	19	--	--	.47	.48	.23	.73	.96
APR.										
15...	221	84	18	.7	--	.80	.83	.22	.88	1.1
16...	230	90	22	.6	.61	--	--	--	--	--
MAY										
24...	260	120	24	.4	.66	--	--	--	--	--
29...	--	--	20	--	--	.96	.65	.10	.69	.79
JUNE										
19...	230	92	23	.4	.56	--	--	--	--	--
24...	--	--	17	--	--	.72	.60	.12	.98	1.1
JULY										
16...	189	69	21	.6	.20	--	--	--	--	--
22...	197	70	17	.7	--	.45	.23	.06	.87	.93
AUG.										
20...	--	--	19	--	--	.44	.46	.15	.46	.61
21...	213	88	21	.6	.56	--	--	--	--	--
SEP.										
12...	221	92	24	.4	.14	--	--	--	--	--
16...	--	--	19	--	--	.27	.27	.13	.53	.66

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT.										
10...	--	.91	.35	--	163	.22	1160	91	0	.5
18...	--	.28	--	554	548	.75	553	370	89	.8
NOV.										
08...	--	.14	.12	534	--	.73	303	--	--	--
15...	--	.18	--	530	513	.72	283	340	80	.8
DEC.										
13...	--	.28	--	551	532	.75	309	370	90	.8
JAN.										
16...	--	.20	--	483	468	.66	339	310	64	.8
21...	2.6	.36	.22	--	471	.64	402	320	71	.7
FEB.										
19...	1.8	.23	.13	408	--	.55	753	--	--	--
21...	--	.18	--	422	412	.57	766	260	26	1.0
MAR.										
19...	--	.14	--	368	361	.50	684	210	24	1.0
19...	1.4	.17	.10	373	--	.51	690	--	--	--
APR.										
15...	1.9	.24	.18	--	397	.54	557	250	31	1.0
16...	--	.18	--	422	419	.57	574	270	43	.9
MAY										
24...	--	.23	--	512	494	.70	205	330	70	.8
29...	1.8	.29	.16	474	--	.64	164	--	--	--
JUNE										
19...	--	.17	--	422	426	.57	29.6	270	47	.8
24...	1.8	.33	.12	372	--	.51	61.3	--	--	--
JULY										
16...	--	.13	--	346	340	.47	22.4	200	12	1.2
22...	1.4	.21	.03	--	340	.46	40.4	200	4	1.1
AUG.										
20...	1.1	.18	.11	379	--	.52	219	--	--	--
21...	--	.17	--	387	387	.53	186	230	24	1.0
SEP.										
12...	--	.16	--	423	416	.58	35.4	270	44	.9
16...	.93	.09	.07	404	--	.55	109	--	--	--

06853000 REPUBLICAN RIVER NEAR GUIDE ROCK, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)
OCT.										
10...	240	7.2	14.0	70	280	7.4	5.0	--	--	--
18...	820	8.0	17.5	--	65	--	--	--	--	--
NOV.										
08...	840	8.1	6.5	--	10	12.1	.8	320	460	--
15...	770	8.2	10.0	--	8	--	--	--	--	--
DEC.										
13...	800	8.2	2.5	--	15	--	--	--	--	--
JAN.										
16...	740	7.8	.0	--	7	--	--	--	--	--
21...	740	7.8	.0	20	25	11.7	4.4	1420	3000	2
FEB.										
19...	590	8.1	6.0	--	20	11.5	2.3	31	50	--
21...	650	8.0	5.0	--	35	--	--	--	--	--
MAR.										
19...	580	7.4	7.0	--	20	--	--	--	--	--
19...	580	8.3	10.0	--	20	11.2	2.6	38	44	--
APR.										
15...	650	8.2	12.0	20	--	--	--	--	--	--
16...	650	7.9	15.0	--	40	--	--	--	--	--
MAY										
24...	750	7.9	19.0	--	65	--	--	--	--	--
29...	660	7.7	22.0	--	35	7.4	1.8	530	550	--
JUNE										
19...	660	7.5	35.5	--	15	--	--	--	--	--
24...	590	7.9	28.0	--	55	7.7	1.9	500	700	--
JULY										
16...	550	7.5	33.0	--	2	--	--	--	--	--
22...	568	7.7	29.0	5	25	7.6	4.7	150	150	8
AUG.										
20...	590	7.6	27.0	--	25	7.6	3.2	650	400	--
21...	610	8.0	23.5	--	35	--	--	--	--	--
SEP.										
12...	660	7.9	17.0	--	65	--	--	--	--	--
16...	636	8.1	18.0	--	10	9.6	2.9	94	88	--

DATE	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT.										
10...	110	--	--	--	--	--	--	--	--	--
18...	150	--	--	--	--	--	--	--	--	--
NOV.										
08...	--	--	--	--	--	--	--	--	--	--
15...	150	--	--	--	--	--	--	--	--	--
DEC.										
13...	150	--	--	--	--	--	--	--	--	--
JAN.										
16...	90	--	--	--	--	--	--	--	--	--
21...	50	4	0	20	11	--	--	6	0	50
FEB.										
19...	--	--	--	--	--	--	--	--	--	--
21...	120	--	--	--	--	--	--	--	--	--
MAR.										
19...	60	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	3.2	2.5	--	--	--
APR.										
15...	100	--	--	--	--	--	--	--	--	--
16...	60	--	--	--	--	--	--	--	--	--
MAY										
24...	80	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--
JUNE										
19...	80	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--
JULY										
16...	150	--	--	--	--	--	--	--	--	--
22...	140	1	0	4	3	1.2	2.0	2	0	30
AUG.										
20...	--	--	--	--	--	--	--	--	--	--
21...	210	--	--	--	--	--	--	--	--	--
SEP.										
12...	140	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--

06880000 LINCOLN CREEK NEAR SEWARD, NEBR.

LOCATION.--Lat 40°54'47", long 97°08'43", in NW¼NE¼ sec.24, T.11 N., R.2 E., Seward County, at gaging station at county road bridge 2 mi (3.2 km) west of Seward.

DRAINAGE AREA.--446 mi^2 (1,155 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1963 to September 1970, February 1973 to September 1974.

WATER QUALITY DATA, WATER YFAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SIO2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)
OCT. 30...	1430	19	--	--	--	--	--	--	--	--
NOV. 27...	1100	36	--	--	--	--	--	--	--	--
DEC. 18...	1130	15	39	40	410	72	14	30	8.3	304
JAN. 29...	1100	26	32	50	460	73	15	28	8.0	309
FEB. 22...	1145	91	--	--	--	--	--	--	--	--
MAR. 13...	1100	19	--	--	--	--	--	--	--	--
APR. 11...	1015	15	--	--	--	--	--	--	--	--
MAY 17...	1045	14	--	--	--	--	--	--	--	--
JUNE 27...	1000	12	37	60	160	63	13	24	10	271
JULY 16...	1115	14	--	--	--	--	--	--	--	--
AUG. 21...	1100	20	--	--	--	--	--	--	--	--
SEP. 13...	1015	3.4	31	60	190	69	13	28	9.0	296

DATE	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CACO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)
OCT. 30...	--	--	--	6.5	--	--	1.7	.07	.56	.63
NOV. 27...	--	--	--	6.7	--	--	1.5	.96	2.0	3.0
DEC. 18...	0	249	39	10	.5	1.9	2.0	.19	.41	.60
JAN. 29...	0	253	41	7.8	.3	1.3	1.2	.24	.43	.67
FEB. 22...	--	--	--	4.0	--	1.1	1.1	1.6	2.3	3.9
MAR. 13...	--	--	--	7.0	--	1.3	1.3	.19	.20	.39
APR. 11...	--	--	--	6.5	--	.41	.37	.23	1.5	1.7
MAY 17...	--	--	--	5.9	--	1.5	1.5	.84	1.4	2.2
JUNE 27...	--	222	39	6.3	.4	2.4	2.2	.05	1.8	1.8
JULY 16...	--	--	--	11	--	2.4	2.3	.08	1.8	1.9
AUG. 21...	--	--	--	11	--	1.2	1.2	.14	1.8	1.9
SEP. 13...	--	243	39	17	.3	.86	.80	.31	.50	.81

06880000 LINCOLN CREEK NEAR SEWARD, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT. 30...	--	.78	.61	329	--	.45	16.9	--	--	--
NOV. 27...	--	.94	.66	201	--	.27	19.5	--	--	--
DEC. 18...	2.5	.36	.26	--	372	.51	15.1	240	0	.8
JAN. 29...	2.0	.34	.28	--	363	.49	25.5	240	0	.8
FEB. 22...	5.0	1.0	.53	132	--	.18	32.4	--	--	--
MAR. 13...	1.7	.39	.38	345	--	.47	17.7	--	--	--
APR. 11...	2.1	.49	.20	327	--	.44	13.2	--	--	--
MAY 17...	3.7	.57	.32	350	--	.48	13.2	--	--	--
JUNE 27...	4.2	1.0	.51	--	336	.46	10.9	210	0	.7
JULY 16...	4.3	.99	.50	339	--	.46	12.8	--	--	--
AUG. 21...	3.1	.56	.42	357	--	.49	19.3	--	--	--
SEP. 13...	1.7	.51	.45	--	356	.48	3.23	230	0	.8

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)
OCT. 30...	511	7.5	11.0	--	25	9.2	2.0	300	1800	--
NOV. 27...	311	7.3	4.5	--	180	10.0	7.4	26000	50000	--
DEC. 18...	561	7.5	.5	20	8	9.5	1.3	70	150	--
JAN. 29...	573	7.8	.5	10	6	10.2	3.6	240	560	10
FEB. 22...	168	7.1	1.0	--	160	9.4	8.3	280	260	--
MAR. 13...	543	7.9	4.5	--	9	11.6	--	50	140	--
APR. 11...	547	7.7	10.5	--	35	9.1	7.0	250	540	--
MAY 17...	552	7.8	16.0	--	75	7.3	3.8	2300	1800	--
JUNE 27...	516	7.5	21.0	30	160	6.7	2.0	1300	2050	--
JULY 16...	527	7.6	24.0	--	160	6.3	4.9	1120	2600	--
AUG. 21...	494	7.3	24.5	--	85	5.5	4.8	4000	3160	--
SEP. 13...	533	7.0	7.5	10	20	8.3	1.6	460	540	7

DATE	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 30...	--	--	--	--	--	--	--	--	--	--
NOV. 27...	--	--	--	--	--	--	--	--	--	--
DEC. 18...	40	--	--	--	--	--	--	--	--	--
JAN. 29...	40	1	0	10	2	.0	.0	7	0	30
FEB. 22...	--	--	--	--	--	--	--	--	--	--
MAR. 13...	--	--	--	--	--	--	--	--	--	--
APR. 11...	--	-	--	--	--	--	--	--	--	--
MAY 17...	--	--	--	--	--	--	--	--	--	--
JUNE 27...	50	--	--	--	--	--	--	--	--	--
JULY 16...	--	--	--	--	--	--	--	--	--	--
AUG. 21...	--	--	--	--	--	--	--	--	--	--
SEP. 13...	60	9	0	14	1	.5	.4	6	0	10

06880520 BIG BLUE RIVER BELOW SEWARD, NEBR.

LOCATION.--Lat 40°52'15", long 97°04'28", in NE¼NE¼NW¼ sec.3, T.10 N., R.3 E., Seward County, at bridge on county road about 2.5 mi (4.0 km) southeast of Seward.

PERIOD OF RECORD.--Chemical analyses: February 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT. 30...	1530	51	--	--	--	--	--	--	--	--
NOV. 27...	1010	192	--	--	--	--	--	--	--	--
DEC. 18...	1030	50	29	30	700	100	26	55	8.9	401
JAN. 29...	1000	74	25	80	650	97	27	46	12	394
FEB. 22...	1320	427	--	--	--	--	--	--	--	--
MAR. 13...	1300	69	--	--	--	--	--	--	--	--
APR. 11...	1115	86	--	--	--	--	--	--	--	--
MAY 17...	1130	75	--	--	--	--	--	--	--	--
JUNE 27...	0915	20	29	140	370	68	17	34	12	278
JULY 16...	1000	16	--	--	--	--	--	--	--	--
AUG. 21...	1015	37	--	--	--	--	--	--	--	--
SEP. 13...	1100	13	20	20	420	63	15	33	12	260

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT. 30...	--	--	--	18	--	--	1.5	.13	1.3	1.4
NOV. 27...	--	--	--	11	--	--	1.7	.60	1.5	2.1
DEC. 18...	0	329	110	25	.4	2.4	2.1	.49	.71	1.2
JAN. 29...	0	323	110	17	.3	1.0	1.7	2.1	1.0	3.1
FEB. 22...	--	--	--	5.0	--	1.3	1.3	1.1	1.9	3.0
MAR. 13...	--	--	--	11	--	1.4	1.4	.26	.47	.73
APR. 11...	--	--	--	9.1	--	.82	.74	.32	1.3	1.6
MAY 17...	--	--	--	7.6	--	2.2	1.9	1.2	1.4	2.6
JUNE 27...	--	228	63	13	.3	3.4	3.1	.03	1.7	1.7
JULY 16...	--	--	--	16	--	2.3	2.4	.06	1.7	1.8
AUG. 21...	--	--	--	25	--	3.3	1.8	.08	1.5	2.0
SEP. 13...	--	213	61	25	.3	2.3	1.6	.02	.78	1.6

06880520 BIG BLUE RIVER BELOW SEWARD, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DIS-SOLVED PHOSPHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT. 30...	--	.66	.61	452	--	.61	62.2	--	--	--
NOV. 27...	--	.74	.54	337	--	.46	175	--	--	--
DEC. 18...	3.6	.52	.45	--	562	.76	75.9	360	28	1.3
JAN. 29...	4.9	.93	.71	--	537	.73	107	350	30	1.1
FEB. 22...	4.3	.82	.40	209	--	.28	241	--	--	--
MAR. 13...	2.1	.37	.36	495	--	.67	92.2	--	--	--
APR. 11...	2.4	.53	.27	485	--	.66	113	--	--	--
MAY 17...	4.8	.70	.37	308	--	.42	62.4	--	--	--
JUNE 27...	5.1	1.1	.90	--	388	.53	21.0	240	12	1.0
JULY 16...	4.3	1.1	.82	376	--	.51	16.2	--	--	--
AUG. 21...	4.0	.87	.75	353	--	.48	35.3	--	--	--
SEP. 13...	3.6	.85	.67	--	349	.47	12.3	220	16	1.0

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)
OCT. 30...	692	7.3	9.5	--	20	9.2	6.5	900	1400	--
NOV. 27...	536	7.5	4.0	--	110	10.2	4.0	11700	10000	--
DEC. 18...	857	7.6	1.0	20	9	9.2	--	1900	500	--
JAN. 29...	881	7.8	1.0	30	10	10.6	6.7	4400	4400	3
FEB. 22...	336	7.6	3.0	--	120	9.8	19	1200	1100	--
MAR. 13...	776	7.6	6.5	--	10	13.0	--	600	833	--
APR. 11...	763	7.6	11.5	--	30	9.0	6.0	1720	2000	--
MAY 17...	476	7.9	16.5	--	323	6.9	16	8000	2050	--
JUNE 27...	608	7.5	21.0	20	65	5.2	8.4	2900	1000	--
JULY 16...	589	7.6	26.0	--	76	3.9	21	2300	300	--
AUG. 21...	516	7.2	24.5	--	85	3.6	16	14700	5600	--
SEP. 13...	557	7.3	13.5	20	20	6.7	8.4	6000	5600	6

DATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OCT. 30...	--	--	--	--	--	--	--	--	--	--
NOV. 27...	--	--	--	--	--	--	--	--	--	--
DEC. 18...	[illegible]	--	--	--	--	--	--	--	--	--
JAN. 29...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FEB. 22...	--	--	--	--	--	--	--	--	--	--
MAR. 13...	--	--	--	--	--	--	--	--	--	--
APR. 11...	--	--	--	--	--	--	--	--	--	--
MAY 17...	--	--	--	--	--	--	--	--	--	--
JUNE 27...	[illegible]	--	--	--	--	--	--	--	--	--
JULY 16...	--	--	--	--	--	--	--	--	--	--
AUG. 21...	--	--	--	--	--	--	--	--	--	--
SEP. 13...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

06880556 WEST FORK BIG BLUE RIVER BELOW HASTINGS, NEBR.

LOCATION.--Lat 40°36'09", long 98°20'02", in NW¼NW¼SW¼ sec.3, T.7 N., R.9 W., Adams County, at bridge on county road 1.4 mi (2.3 km) north of U.S. Highway 6 and about 1.5 mi (2.4 km) northeast of Hastings.

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT. 11...	1130	422	7.9	400	33	10	2.0	7.9	7.5	50
NOV. 07...	1045	16	--	--	--	--	--	--	--	--
JAN. 22...	0840	3.3	31	230	190	49	8.4	80	14	236
FEB. 20...	0815	3.3	--	--	--	--	--	--	--	--
MAR. 20...	0845	2.5	--	--	--	--	--	--	--	--
APR. 15...	1915	6.1	30	140	40	48	8.4	66	12	148
MAY 29...	1430	9.9	--	--	--	--	--	--	--	--
JUNE 25...	0800	10	--	--	--	--	--	--	--	--
JULY 23...	0745	22	25	40	80	51	8.8	32	9.1	189
AUG. 20...	1045	15	--	--	--	--	--	--	--	--
SEP. 10...	--	8.1	--	--	--	--	--	--	--	--

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT. 11...	0	41	7.3	3.6	.3	--	.15	1.0	1.5	2.5
NOV. 07...	--	--	--	15	--	--	.04	1.1	1.1	2.2
JAN. 22...	0	196	47	57	1.6	13	6.3	4.4	3.3	7.7
FEB. 20...	--	--	--	59	--	7.2	7.0	6.6	1.8	8.2
MAR. 20...	--	--	--	45	--	9.4	8.8	4.9	2.3	7.2
APR. 15...	0	121	46	59	1.1	16	15	5.6	.10	5.5
MAY 29...	--	--	--	32	--	5.7	5.6	.75	1.3	2.0
JUNE 25...	--	--	--	29	--	5.6	5.5	.31	4.7	4.7
JULY 23...	--	155	60	17	.6	3.6	3.6	.50	1.6	1.6
AUG. 20...	--	--	--	40	--	11	10	2.4	.20	2.6
SEP. 10...	--	--	--	30	--	16	8.7	1.3	1.7	3.2

06880556 WEST FORK BIG BLUE RIVER BELOW HASTINGS, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT. 11...	--	.90	.25	--	72	.10	82.0	33	0	.6
NOV. 07...	--	1.8	1.4	211	--	.29	9.12	--	--	--
JAN. 22...	21	10	9.5	--	433	.59	3.86	160	0	2.8
FEB. 20...	15	8.1	7.6	424	--	.58	3.78	--	--	--
MAR. 20...	17	11	9.7	471	--	.64	3.19	--	--	--
APR. 15...	22	7.0	6.4	--	410	.56	6.75	150	33	2.3
MAY 29...	7.7	4.7	4.1	374	--	.51	10.0	--	--	--
JUNE 25...	10	11	--	340	--	.46	9.18	--	--	--
JULY 23...	5.5	3.7	2.7	--	302	.41	17.9	160	9	1.1
AUG. 20...	14	6.1	5.6	385	--	.52	15.6	--	--	--
SEP. 16...	17	6.0	5.6	418	--	.57	9.14	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)
OCT. 11...	105	7.1	14.0	300	190	9.0	14	86000	60000	--
NOV. 07...	610	7.5	6.0	--	160	10.8	8.3	7800	2700	--
JAN. 22...	750	7.4	5.0	40	12	6.8	10	79000	6400	3
FEB. 20...	630	7.4	8.0	--	60	7.2	10	22000	2670	--
MAR. 20...	757	7.4	7.8	--	10	6.4	7.6	16400	1500	--
APR. 15...	620	7.4	14.0	20	20	7.7	3.6	6200	400	--
MAY 29...	560	7.9	23.6	--	10	9.6	10	25000	2100	--
JUNE 25...	520	7.4	16.0	--	150	5.7	13	35000	3200	--
JULY 23...	474	7.2	23.0	10	15	2.0	19	280000	12100	5
AUG. 20...	620	7.8	25.0	--	15	3.8	8.7	26000	2700	--
SEP. 16...	600	7.3	21.0	--	5	5.3	8.2	16000	1200	--

DATE	DISSOLVED BARIUM (BA) (UG/L) (01005)	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 11...	50	--	--	--	--	--	--	--	--	--
NOV. 07...	--	--	--	--	--	--	--	--	--	--
JAN. 22...	400	1	[illegible]	20	4	--	--	0	0	170
FEB. 20...	--	--	--	--	--	--	--	--	--	--
MAR. 20...	--	--	--	--	--	0.0	0.0	--	--	--
APR. 15...	300	--	--	--	--	--	--	--	--	--
MAY 29...	--	--	--	--	--	--	--	--	--	--
JUNE 25...	--	--	--	--	--	--	--	--	--	--
JULY 23...	100	1	0	10	4	0.0	0.0	0	0	40
AUG. 20...	--	--	--	--	--	--	--	--	--	--
SEP. 16...	--	--	--	--	--	--	--	--	--	--

06880800 WEST FORK BIG BLUE RIVER NEAR DORCHESTER, NEBR.

LOCATION.--Lat 40°43'53", long 97°10'38", in NW¼SW¼ sec.23, T.9 N., R.2 E., Seward County, at gaging station on county road bridge, 6.2 mi (10.0 km) northwest of Dorchester.

DRAINAGE AREA.--1,206 mi^2 (3,124 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1963 to September 1970, February 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SIO2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)
OCT.										
31...	1015	106	--	--	--	--	--	--	--	--
NOV.										
28...	1015	159	--	--	--	--	--	--	--	--
DEC.										
12...	1225	92	32	30	270	64	12	27	8.4	244
JAN.										
28...	1015	86	33	20	370	72	13	36	7.7	267
FEB.										
14...	1145	378	--	--	--	--	--	--	--	--
MAR.										
26...	1215	82	--	--	--	--	--	--	--	--
APR.										
11...	1315	91	--	--	--	--	--	--	--	--
MAY										
07...	1245	90	--	--	--	--	--	--	--	--
JUNE										
19...	1145	130	23	40	20	36	7.6	16	8.7	141
JULY										
09...	1130	100	--	--	--	--	--	--	--	--
30...	1000	126	--	--	--	--	--	--	--	--
SEP.										
11...	1715	48	26	20	80	69	13	30	9.8	269

DATE	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CACO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)
OCT.										
31...	--	--	--	16	--	--	1.6	.05	.30	.35
NOV.										
28...	--	--	--	12	--	--	1.8	.71	1.3	2.0
DEC.										
12...	0	200	42	15	.3	2.5	2.0	.38	.44	.82
JAN.										
28...	0	219	43	26	.5	2.1	2.0	.61	.37	.98
FEB.										
14...	--	--	--	11	--	1.2	1.2	1.6	1.3	2.9
MAR.										
26...	--	--	--	19	--	1.9	1.9	.15	.29	.44
APR.										
11...	--	--	--	19	--	1.0	.95	.11	.70	.81
MAY										
07...	--	--	--	18	--	1.9	1.9	.71	.89	1.6
JUNE										
19...	--	116	29	9.5	.5	2.1	2.0	.06	2.7	2.8
JULY										
09...	--	--	--	17	--	1.9	1.7	.05	1.0	1.0
30...	--	--	--	17	--	1.3	1.3	.10	.67	.77
SEP.										
11...	--	221	52	16	.6	.27	.20	.21	1.6	1.8

06880800 WEST FORK BIG BLUE RIVER NEAR DORCHESTER, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT. 31...	--	.75	.61	321	--	.44	91.9	--	--	--
NOV. 28...	--	.83	.57	242	--	.33	104	--	--	--
DEC. 12...	3.3	.72	.56	--	330	.45	82.3	210	9	.8
JAN. 28...	3.1	.78	.70	--	372	.51	86.4	230	14	1.0
FEB. 14...	4.1	1.3	.73	159	--	.22	162	--	--	--
MAR. 26...	2.3	.64	.57	370	--	.50	81.9	--	--	--
APR. 11...	1.8	.56	.42	363	--	.49	89.2	--	--	--
MAY 07...	3.5	.93	.48	347	--	.47	84.3	--	--	--
JUNE 19...	4.9	1.1	.43	--	209	.28	73.4	120	6	.6
JULY 09...	3.7	.82	.58	336	--	.46	90.7	--	--	--
30...	2.1	.87	.55	336	--	.46	114	--	--	--
SEP. 11...	2.3	.59	.43	--	350	.48	45.4	230	5	.9

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)
OCT. 31...	496	7.5	9.5	--	45	10.2	1.8	460	700	--
NOV. 28...	380	7.4	3.0	--	150	8.7	5.6	3200	9200	--
DEC. 12...	526	7.6	3.0	10	25	9.6	1.9	1000	7900	--
JAN. 28...	622	7.9	1.0	5	6	10.2	1.2	1500	1300	4
FEB. 14...	252	7.4	2.0	--	240	10.7	11	1670	70000	--
MAR. 26...	506	7.6	7.5	--	9	11.0	3.2	10	50	--
APR. 11...	590	7.9	12.5	--	20	10.4	3.0	120	1600	--
MAY 07...	554	7.6	17.5	--	90	7.7	5.0	1170	1100	--
JUNE 19...	339	7.2	24.0	30	--	6.2	4.2	3200	4960	--
JULY 09...	520	7.8	28.0	--	65	7.0	6.0	2300	3500	--
30...	529	7.4	27.0	--	110	6.7	6.4	1730	1300	--
SEP. 11...	562	8.3	20.0	10	30	8.7	5.1	470	900	7

DATE	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 31...	--	--	--	--	--	--	--	--	--	--
NOV. 28...	--	--	--	--	--	--	--	--	--	--
DEC. 12...	[illegible]	--	--	--	--	--	--	--	--	--
JAN. 28...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FEB. 14...	--	--	--	--	--	--	--	--	--	--
MAR. 26...	--	--	--	--	--	--	--	--	--	--
APR. 11...	--	--	--	--	--	--	--	--	--	--
MAY 07...	--	--	--	--	--	--	--	--	--	--
JUNE 19...	[illegible]	--	--	--	--	--	--	--	--	--
JULY 09...	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--
SEP. 11...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

06881000 BIG BLUE RIVER NEAR CRETE, NEBR.

LOCATION.--Lat 40°35'47", long 96°57'36", in SW¼SE¼ sec. 3, T.7 N., R.4 E., Saline County, temperature recorder at gaging station at highway bridge 1.8 mi (2.9 km) south of Missouri Pacific Railroad station in Crete, 3.3 mi (5.3 km) downstream from Walnut Creek, and 3.6 mi (5.8 km) upstream from Squaw Creek.

DRAINAGE AREA.--2,716 mi^2 (7,034 km^2).

PERIOD OF RECORD.--Chemical analyses: May 1961 to September 1963, Apr. 1973 to Sept. 1974.
Water temperatures: October 1961 to September 1962, April 1968 to September 1974.
Sediment records: October 1961 to September 1962.

EXTREMES.--1973-74:
Water temperatures: Maximum, 31.5°C July 20, 21; minimum, freezing point on several days during December to January.

Period of record:
Water temperatures: Maximum, 31.5°C July 20, 21, 1974; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DIS-SOLVED IRON (FE) (UG/L) (01046)	TOTAL MAN-GANESE (MN) (UG/L) (01055)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)
OCT.											
12...	1140	[illegible]	--	--	--	--	--	--	--	--	--
12...	1215	[illegible]	9.4	--	80	--	90	9.8	2.2	4.7	9.6
NOV.											
28...	1230	277	--	--	--	--	--	--	--	--	--
DEC.											
13...	1130	212	--	--	--	--	--	--	--	--	--
JAN.											
28...	1315	226	27	--	30	--	460	82	18	39	8.2
FEB.											
14...	1035	835	--	--	--	--	--	--	--	--	--
MAR.											
26...	1105	194	--	--	--	--	--	--	--	--	--
APR.											
16...	1045	255	--	--	--	--	--	--	--	--	--
29...	1400	903	10	100000	150	2700	0	27	6.4	19	9.7
MAY											
07...	1100	232	--	--	--	--	--	--	--	--	--
JUNE											
19...	1330	265	--	--	--	--	--	--	--	--	--
JULY											
09...	1345	99	--	--	--	--	--	--	--	--	--
30...	1600	140	--	--	--	--	--	--	--	--	--
SEP.											
11...	1615	70	--	--	--	--	--	--	--	--	--

DATE	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)
OCT.											
12...	--	--	--	--	--	--	--	--	--	--	--
12...	46	0	38	11	4.4	.5	--	.06	--	.23	--
NOV.											
28...	--	--	--	--	13	--	--	[illegible]	[illegible]	--	[illegible]
DEC.											
13...	--	--	--	--	15	--	--	[illegible]	[illegible]	--	[illegible]
JAN.											
28...	[illegible]	0	[illegible]	[illegible]	20	.2	[illegible]	[illegible]	[illegible]	--	[illegible]
FEB.											
14...	--	--	--	--	[illegible]	--	[illegible]	[illegible]	[illegible]	--	[illegible]
MAR.											
26...	--	--	--	--	[illegible]	--	[illegible]	[illegible]	[illegible]	--	[illegible]
APR.											
16...	--	--	--	--	[illegible]	--	[illegible]	[illegible]	[illegible]	--	[illegible]
29...	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAY											
07...	--	--	--	--	[illegible]	--	[illegible]	[illegible]	[illegible]	--	[illegible]
JUNE											
19...	--	--	--	--	[illegible]	--	[illegible]	[illegible]	[illegible]	--	[illegible]
JULY											
09...	--	--	--	--	[illegible]	--	[illegible]	[illegible]	[illegible]	--	[illegible]
30...	--	--	--	--	[illegible]	--	[illegible]	[illegible]	[illegible]	--	[illegible]
SEP.											
11...	--	--	--	--	[illegible]	--	[illegible]	[illegible]	[illegible]	--	[illegible]

06881000 BIG BLUE RIVER NEAR CRETE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L) (00607)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L) (00623)	TOTAL NITRO- GEN (N) (MG/L) (00600)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA,MG) (MG/L) (00900)
OCT.											
12...	--	--	--	--	--	--	--	--	--	--	--
12...	.72	4.2	.92	--	1.6	.34	--	79	.11	1450	34
NOV.											
28...	--	2.2	--	--	.78	.54	269	--	.37	201	--
DEC.											
13...	--	.82	--	--	.61	.46	433	--	.59	248	--
JAN.											
28...	--	1.3	--	3.4	.61	.47	--	429	.58	262	280
FEB.											
14...	--	2.4	--	3.8	.95	.41	255	--	.35	575	--
MAR.											
26...	--	1.1	--	2.5	.59	.39	439	--	.60	230	--
APR.											
16...	--	2.2	--	3.7	.72	.46	406	--	.55	280	--
29...	1.6	12	1.6	14	5.9	.22	--	176	.24	429	94
MAY											
07...	--	2.5	--	4.2	.81	.38	384	--	.52	241	--
JUNE											
19...	--	3.3	--	5.1	1.3	.37	202	--	.27	145	--
JULY											
09...	--	2.6	--	4.0	.90	.55	366	--	.50	97.8	--
30...	--	3.0	--	5.4	1.0	.74	357	--	.49	135	--
SEP.											
11...	--	1.3	--	1.9	.77	.53	362	--	.49	76.2	--

DATE	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI- FORM (COL. PER 100 ML) (31616)
OCT.											
12...	--	--	--	--	--	--	--	--	--	--	--
12...	0	.4	118	6.7	12.0	400	550	8.6	--	2.5	120000
NOV.											
28...	--	--	439	7.6	5.0	--	150	9.6	--	7.2	8000
DEC.											
13...	--	--	683	7.3	2.0	--	20	9.6	--	24	10700
JAN.											
28...	28	1.0	698	7.7	1.5	20	15	10.6	--	--	130
FEB.											
14...	--	--	419	7.7	1.5	--	280	11.7	--	6.4	3540
MAR.											
26...	--	--	684	7.7	6.0	--	10	11.5	--	1.9	733
APR.											
16...	--	--	658	7.7	9.0	--	40	9.8	--	10	2700
29...	6	.9	290	7.1	16.5	400	400	6.7	270	12	345000
MAY											
07...	--	--	620	7.7	17.0	--	140	7.5	--	22	11000
JUNE											
19...	--	--	307	7.3	25.0	--	--	5.7	--	18	13300
JULY											
09...	--	--	580	7.8	29.0	--	90	7.8	--	10	11700
30...	--	--	572	7.8	25.5	--	170	6.6	--	10	34000
SEP.											
11...	--	--	595	8.2	21.0	--	40	8.9	--	5.5	17700

06881000 BIG BLUE RIVER NEAR CRETE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	ALDRIN IN FILT. FRAC. (UG/L) (39331)	ALDRIN (UG/L) (39330)	CHLOR-DANE IN FILT. FRAC. (UG/L) (39352)	CHLOR-DANE (UG/L) (39350)	DDD IN FILT. FRAC. (UG/L) (39361)	DDD (UG/L) (39360)	DDE IN FILT. FRAC. (UG/L) (39366)	DDE (UG/L) (39365)	DDT IN FILT. FRAC. (UG/L) (39371)	DDT (UG/L) (39370)
OCT.											
12...	--	--	--	--	--	--	--	--	--	--	--
12...	80000	.00	.00	.0	.0	.00	.00	.00	.00	.00	.00
NOV.											
28...	17700	--	--	--	--	--	--	--	--	--	--
DEC.											
13...	2880	--	--	--	--	--	--	--	--	--	--
JAN.											
28...	4300	--	--	--	--	--	--	--	--	--	--
FEB.											
14...	55000	--	--	--	--	--	--	--	--	--	--
MAR.											
26...	560	--	--	--	--	--	--	--	--	--	--
APR.											
16...	3000	--	--	--	--	--	--	--	--	--	--
29...	88000	.00	.00	.0	.0	.00	.00	.00	.00	.00	.00
MAY											
07...	6800	--	--	--	--	--	--	--	--	--	--
JUNE											
19...	3500	--	--	--	--	--	--	--	--	--	--
JULY											
09...	3100	--	--	--	--	--	--	--	--	--	--
30...	1830	--	--	--	--	--	--	--	--	--	--
SEP.											
11...	24500	--	--	--	--	--	--	--	--	--	--

DATE	DI-AZINON IN FILT. FRAC. (UG/L) (39572)	DI-AZINON (UG/L) (39570)	DI-ELDRIN IN FILT. FRAC. (UG/L) (39381)	DI-ELDRIN (UG/L) (39380)	ENDRIN IN FILT. FRAC. (UG/L) (39391)	ENDRIN (UG/L) (39390)	HEPTA-CHLOR IN FILT. FRAC. (UG/L) (39411)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE IN FILT. FRAC. (UG/L) (39421)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	LINDANE IN FILT. FRAC. (UG/L) (39341)	LINDANE (UG/L) (39340)
OCT.												
12...	.01	.01	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
JAN.												
28...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
29...	.04	.05	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00

DATE	MALA-THION IN FILT. FRAC. (UG/L) (39532)	MALA-THION (UG/L) (39530)	METHYL PARA-THION IN FILT. FRAC. (UG/L) (39602)	METHYL PARA-THION (UG/L) (39600)	PARA-THION IN FILT. FRAC. (UG/L) (39542)	PARA-THION (UG/L) (39540)	PCB IN FILT. FRAC. (UG/L) (39517)	PCB (UG/L) (39516)	2,4-D IN FILT. FRAC. (UG/L) (39732)	2,4-D (UG/L) (39730)	2,4,5-T IN FILT. FRAC. (UG/L) (39742)	2,4,5-T (UG/L) (39740)
OCT.												
12...	.00	.00	.00	.00	.00	.00	.0	.0	.10	.10	.10	.10
JAN.												
28...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
29...	.00	.00	.00	.00	.00	.00	.0	.0	.00	.00	.03	.03

DATE	SILVEX IN FILT. FRAC. (UG/L) (39762)	SILVEX (UG/L) (39760)	TOTAL ARSENIC (AS) (UG/L) (01002)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	TOTAL COBALT (CO) (UG/L) (01037)	DIS-SOLVED COBALT (CO) (UG/L) (01035)
OCT.											
12...	.00	.00	15	3	130	<10	2	40	0	--	--
JAN.											
28...	--	--	--	1	60	--	0	--	0	--	--
APR.											
29...	.00	.00	32	9	70	<10	3	100	20	<50	0

DATE	TOTAL COPPER (CU) (UG/L) [illegible]	DIS-SOLVED COPPER (CU) (UG/L) [illegible]	TOTAL LEAD (PB) (UG/L) [illegible]	DIS-SOLVED LEAD (PB) (UG/L) [illegible]	TOTAL MERCURY (HG) (UG/L) [illegible]	DIS-SOLVED MERCURY (HG) (UG/L) [illegible]	TOTAL SELE-NIUM (SE) (UG/L) [illegible]	DIS-SOLVED SELE-NIUM (SE) (UG/L) [illegible]	DIS-SOLVED SILVER (AG) (UG/L) [illegible]	TOTAL ZINC (ZN) (UG/L) [illegible]	DIS-SOLVED ZINC (ZN) (UG/L) [illegible]
OCT.											
12...	70	[illegible]	90	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	20
JAN.											
28...	--	6	--	1	[illegible]	[illegible]	--	6	0	--	20
APR.											
29...	60	26	200	6	[illegible]	[illegible]	6	2	0	600	110

06881000 BIG BLUE RIVER NEAR CRETE, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	17.0	17.0	11.5	11.0	5.5	5.0	0.5	0.5	1.5	1.0	6.0	5.0
2	17.0	17.0	11.5	11.0	7.0	5.5	0.5	0.5	1.5	1.0	8.0	6.0
3	17.5	17.0	11.5	11.0	7.0	5.5	0.5	0.5	1.5	1.5	9.5	8.0
4	17.0	16.5	11.0	10.5	5.5	0.0	0.5	0.0	2.0	1.5	9.5	9.0
5	16.5	15.5	11.0	10.5	0.5	0.0	0.5	0.0	2.0	1.5	9.5	8.0
6	16.0	15.5	11.0	10.5	0.5	0.0	0.5	0.0	2.0	1.5	10.5	8.5
7	16.0	15.5	11.5	10.5	1.0	0.0	0.5	0.0	2.0	1.5	10.5	10.0
8	18.0	16.0	11.5	10.5	0.5	0.5	0.5	0.0	3.0	1.5	12.5	10.0
9	18.5	18.0	11.0	10.5	1.0	0.5	0.5	0.0	2.5	2.0	12.5	11.0
10	18.5	15.5	12.0	10.5	1.0	0.5	0.5	0.5	3.5	2.0	11.0	8.0
11	15.5	14.5	13.0	12.0	2.0	1.0	0.5	0.0	3.5	2.0	8.0	8.0
12	14.5	12.0	14.0	13.0	2.0	2.0	0.5	0.0	4.5	2.5	8.0	7.5
13	12.0	12.0	15.5	14.0	2.0	2.0	0.5	0.0	4.5	2.5	7.5	7.0
14	12.0	12.0	15.5	15.0	2.0	1.5	1.0	0.5	3.5	2.5	8.0	7.5
15	12.0	12.0	15.0	15.0	2.0	1.5	1.0	0.5	2.5	2.5	8.5	7.5
16	12.0	12.0	15.0	13.5	1.5	1.5	1.5	0.5	3.0	2.0	8.5	6.0
17	12.0	12.0	14.0	13.0	1.5	1.5	1.0	0.5	4.0	2.5	8.0	6.0
18	12.0	12.0	14.0	13.5	1.5	1.5	1.0	0.5	4.0	3.5	8.5	7.5
19	13.0	12.0	14.0	13.0	1.5	1.0	1.0	0.0	3.5	3.0	8.5	6.5
20	13.0	12.0	13.5	13.0	1.0	1.0	1.5	0.5	4.0	3.5	8.5	6.0
21	13.5	12.5	12.5	6.0	1.0	1.0	1.0	0.5	4.5	4.0	7.0	3.0
22	14.0	13.0	6.0	4.5	1.5	1.0	1.0	0.5	4.0	3.5	7.0	4.0
23	14.0	13.0	4.5	4.5	1.0	1.0	1.0	0.0	4.0	2.5	4.0	2.0
24	14.0	13.5	4.5	4.5	1.0	1.0	1.5	0.5	2.5	2.0	4.0	2.5
25	14.0	12.5	4.5	4.5	1.5	1.0	1.5	0.5	3.0	1.5	6.5	2.5
26	13.0	12.5	6.0	4.5	1.0	1.0	0.5	0.5	3.5	1.5	9.0	5.5
27	13.0	12.0	6.0	5.5	1.0	0.5	0.5	0.5	4.0	3.0	12.0	8.5
28	12.0	11.5	5.5	5.0	1.0	0.5	1.0	0.5	5.0	4.0	13.0	10.5
29	12.0	11.5	5.5	4.5	1.0	0.5	1.5	1.0	---	---	13.0	12.0
30	11.5	11.0	5.5	5.0	0.5	0.5	2.5	1.0	---	---	13.5	10.0
31	11.5	11.0	---	---	0.5	0.5	2.5	1.0	---	---	15.0	12.5
MONTH	18.5	11.0	15.5	4.5	7.0	0.0	2.5	0.0	5.0	1.0	15.0	2.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.0	12.0	18.5	16.5	22.5	19.5	27.0	21.5	26.5	23.0	20.0	17.5
2	14.0	11.5	19.0	16.0	23.0	20.5	27.0	22.5	24.0	21.0	17.5	15.5
3	14.0	8.0	19.0	16.0	24.5	21.0	28.0	23.5	23.5	19.5	18.0	14.0
4	8.0	5.5	17.5	16.0	24.0	22.0	28.0	23.0	23.5	18.5	19.0	15.0
5	10.5	7.0	18.0	15.0	25.0	21.5	28.0	22.5	23.5	20.0	19.0	15.5
6	11.0	8.5	18.5	15.5	25.0	22.5	28.5	22.5	21.0	18.5	19.0	16.5
7	11.0	10.0	18.5	16.5	22.5	19.5	29.5	24.0	21.0	19.5	21.5	17.0
8	11.5	8.5	19.0	16.0	22.0	18.5	29.0	24.5	21.5	19.5	23.0	19.0
9	12.5	10.0	19.0	16.0	19.5	18.0	28.5	24.5	22.0	20.5	22.5	19.5
10	12.5	10.5	18.0	16.5	20.0	17.0	28.0	25.0	23.5	21.5	24.5	20.0
11	14.0	11.0	18.0	15.0	21.0	19.0	29.5	24.5	24.5	21.0	23.5	20.0
12	14.0	11.5	18.0	15.5	21.5	18.5	29.5	24.5	27.5	23.0	20.0	15.5
13	12.0	10.5	19.5	16.5	23.0	20.0	30.5	25.5	27.0	24.5	18.5	12.5
14	10.5	8.5	19.5	17.5	24.0	21.5	31.0	26.5	25.5	23.0	17.5	13.0
15	10.0	8.5	18.5	18.0	24.0	23.0	30.5	26.0	25.0	23.0	19.5	15.5
16	12.5	9.0	18.0	16.5	23.5	21.5	29.0	24.5	26.5	22.5	20.5	18.5
17	13.5	10.5	17.0	17.0	23.0	20.5	29.0	24.0	26.5	22.5	22.0	17.5
18	16.0	12.0	18.0	17.0	23.0	21.5	30.0	25.5	22.5	20.5	22.0	17.5
19	17.0	14.0	20.0	18.0	28.0	24.0	30.5	26.0	25.0	21.0	21.5	18.5
20	17.0	15.5	21.0	19.5	29.0	24.0	31.5	26.5	26.0	23.5	20.5	17.5
21	17.5	14.5	21.0	20.0	29.5	25.5	31.5	27.0	26.0	24.0	18.5	15.0
22	17.5	15.0	21.5	20.0	29.5	25.0	31.0	27.5	25.5	22.0	17.5	14.5
23	18.5	13.5	21.5	20.0	29.0	22.5	29.5	25.5	25.0	22.0	18.5	14.0
24	18.5	14.0	20.5	19.5	25.5	21.0	29.5	25.5	24.5	21.5	17.5	13.5
25	18.0	14.0	20.5	20.0	26.0	21.5	30.0	26.0	26.0	22.0	18.5	14.5
26	18.0	17.0	20.5	19.0	24.5	21.5	30.5	28.0	27.0	23.5	19.5	15.0
27	21.5	17.0	21.5	19.0	25.5	21.0	30.5	28.5	27.0	23.0	18.5	16.5
28	21.5	19.5	23.5	20.5	26.0	21.5	30.0	28.0	23.0	20.5	18.0	14.0
29	19.0	15.0	24.5	21.5	27.5	21.0	30.0	25.0	23.5	19.5	16.0	12.0
30	18.5	18.0	24.5	22.0	21.0	23.0	27.5	24.0	22.5	19.0	15.5	12.0
31	---	---	24.5	19.5	---	---	27.0	24.0	22.5	19.5	---	---
MONTH	21.5	5.5	24.5	15.0	29.5	17.0	31.5	21.5	27.5	16.5	24.5	12.0

06881000 BIG BLUE RIVER NEAR CRETE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
OCT. 12...	1140	--	6810	1560	28700	64	71
APR. 29...	1400	16.5	903	4400	10700	58	71

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM (70331)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)
OCT. 12...	77	--	95	96	99	100
APR. 29...	86	9700	--	--	--	--

DATE	TIME	NUMBER OF SAM- PLING POINTS (00063)	DIS- CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
OCT. 12...	1140	3	6810	42	51	75	81	83	92	98	100
APR. 29...	1400	3	903	8	3	27	86	99	100	--	--

06881200 TURKEY CREEK NEAR WILBER, NEBR.

LOCATION.--Lat 40°28'48", long 97°00'43", in NE¼NE¼ sec.19, T.6 N., R.4 E., Saline County, at gaging station at bridge on State Highway 41 and 2.8 mi (4.5 km) west of Wilber.

DRAINAGE AREA.--460 mi^2 (1,191 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1965 to September 1970, March 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT.										
31...	1115	40	--	--	--	--	--	--	--	--
NOV.										
28...	1115	65	--	--	--	--	--	--	--	--
DEC.										
12...	1025	33	25	30	350	87	14	37	9.8	247
JAN.										
28...	1120	124	15	150	200	38	8.3	18	7.7	134
FEB.										
14...	0940	504	--	--	--	--	--	--	--	--
MAR.										
26...	1325	31	--	--	--	--	--	--	--	--
APR.										
16...	1145	39	--	--	--	--	--	--	--	--
MAY										
07...	1145	31	--	--	--	--	--	--	--	--
JUNE										
19...	1445	21	28	20	30	72	14	41	6.1	276
JULY										
09...	1500	5.2	--	--	--	--	--	--	--	--
30...	1430	10	--	--	--	--	--	--	--	--
SEP.										
11...	1515	1.8	20	60	190	40	10	110	15	200

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT.										
31...	--	--	--	22	--	--	.72	.10	.71	.81
NOV.										
28...	--	--	--	12	--	--	.62	.81	1.3	2.1
DEC.										
12...	0	203	60	29	.2	--	.89	.19	.62	.81
JAN.										
28...	0	110	41	11	.2	1.3	1.2	.68	1.3	2.0
FEB.										
14...	--	--	--	5.8	--	.92	.85	1.3	1.3	2.6
MAR.										
26...	--	--	--	28	--	.41	.43	.11	.37	.48
APR.										
16...	--	--	--	27	--	.44	.42	.61	.49	1.1
MAY										
07...	--	--	--	26	--	1.9	1.9	2.5	.90	3.4
JUNE										
19...	--	226	55	32	.5	.55	.67	.21	1.5	1.7
JULY										
09...	--	--	--	72	--	.77	.64	.32	1.4	1.7
30...	--	--	--	63	--	.55	.42	.17	1.7	1.9
SEP.										
11...	--	166	45	140	.4	1.1	1.0	.25	1.5	1.7

06881200 TURKEY CREEK NEAR WILBER, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DIS-SOLVED-PHOSPHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM AD-SORPTION RATIO (00931)
OCT.										
31...	--	.63	.63	347	--	.47	37.5	--	--	--
NOV.										
28...	--	.54	.37	184	--	.25	32.3	--	--	--
DEC.										
12...	--	.40	.38	--	388	.53	34.6	280	72	1.0
JAN.										
28...	3.3	.50	.42	--	212	.29	71.0	130	19	.7
FEB.										
14...	3.5	1.1	.33	135	--	.18	184	--	--	--
MAR.										
26...	.89	.32	.30	393	--	.53	32.9	--	--	--
APR.										
16...	1.5	.39	.26	386	--	.53	40.6	--	--	--
MAY										
07...	5.3	.87	.29	284	--	.39	23.8	--	--	--
JUNE										
19...	2.3	.67	.37	--	385	.52	21.8	240	11	1.2
JULY										
09...	2.5	.58	.40	447	--	.61	6.28	--	--	--
30...	2.5	.59	.42	372	--	.51	10.0	--	--	--
SEP.										
11...	2.8	.47	.39	--	484	.66	3.27	140	0	4.0

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)
OCT.										
31...	534	7.4	9.5	--	25	9.8	2.4	170	500	--
NOV.										
28...	283	7.4	3.5	--	170	10.0	6.1	2100	14600	--
DEC.										
12...	605	7.5	2.0	10	20	10.1	1.4	400	2600	--
JAN.										
28...	352	7.8	1.0	100	65	10.7	3.4	700	3200	1
FEB.										
14...	186	8.0	.5	--	400	11.6	11	2200	35000	--
MAR.										
26...	636	7.6	7.0	--	8	12.2	2.7	<10	20	--
APR.										
16...	641	7.7	9.4	--	40	10.4	3.0	1970	2400	--
MAY										
07...	449	7.1	10.5	--	300	7.3	5.1	3200	1700	--
JUNE										
19...	640	7.6	27.0	20	--	6.6	2.9	800	1200	--
JULY										
09...	756	8.0	25.5	--	30	3.0	8.6	640	900	--
30...	618	7.8	25.0	--	50	10.4	7.5	490	500	--
SEP.										
11...	853	8.2	21.0	50	70	8.7	6.4	1200	720	5

DATE	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CADMIUM (CD) (UG/L) (01025)	DIS-SOLVED CHROMIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELENIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT.										
31...	--	--	--	--	--	--	--	--	--	--
NOV.										
28...	--	--	--	--	--	--	--	--	--	--
DEC.										
12...	70	--	--	--	--	--	--	--	--	--
JAN.										
28...	60	1	0	23	5	[illegible]	--	0	0	30
FEB.										
14...	--	--	--	--	--	--	--	--	--	--
MAR.										
26...	--	--	--	--	--	--	--	--	--	--
APR.										
16...	--	--	--	--	--	--	--	--	--	--
MAY										
07...	--	--	--	--	--	--	--	--	--	--
JUNE										
19...	70	--	--	--	--	--	--	--	--	--
JULY										
09...	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--
SEP.										
11...	120	2	0	22	1	[illegible]	[illegible]	2	0	10

06881502 BIG BLUE RIVER BELOW BEATRICE, NEBR.

LOCATION.--Lat 40°14'55", long 96°42'46", in SE¼SE¼ sec.2, T.3 N., R.6 E., Gage County, at pipeline bridge about 2.0 mi (3.2 km) downstream from bridge on U.S. Highway 77, about 1.3 mi (2.1 km) southeast of Beatrice.

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
NOV.										
02...	1645	472	--	--	--	--	--	--	--	--
21...	1530	1210	--	--	--	--	--	--	--	--
DEC.										
11...	1210	370	29	80	210	78	17	49	9.2	282
JAN.										
24...	1400	682	19	80	160	46	11	28	8.2	178
FEB.										
13...	1330	524	--	--	--	--	--	--	--	--
MAR.										
27...	1315	330	--	--	--	--	--	--	--	--
APR.										
17...	1430	427	--	--	--	--	--	--	--	--
MAY										
08...	1400	296	--	--	--	--	--	--	--	--
JUNE										
20...	1330	396	12	120	0	34	7.0	27	9.1	132
JULY										
10...	1015	121	--	--	--	--	--	--	--	--
30...	0945	148	--	--	--	--	--	--	--	--
SEP.										
11...	1015	96	21	40	0	70	15	58	11	251

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
NOV.										
02...	--	--	--	43	--	--	1.7	.17	.74	.91
21...	--	--	--	32	--	--	1.9	.76	3.6	4.4
DEC.										
11...	0	231	67	39	.4	--	2.2	.37	.53	.90
JAN.										
24...	0	146	43	23	.7	2.2	2.3	.75	1.1	1.9
FEB.										
13...	--	--	--	43	--	2.2	2.2	.45	.65	1.1
MAR.										
27...	--	--	--	48	--	1.2	1.2	.33	.65	.98
APR.										
17...	--	--	--	18	--	1.1	1.3	.58	1.0	1.6
MAY										
08...	--	--	--	17	--	1.9	1.8	1.0	.80	1.8
JUNE										
20...	--	[illegible]	28	24	.4	2.3	.15	.06	3.3	3.4
JULY										
10...	--	--	--	53	--	.32	.27	.21	2.5	2.7
30...	--	--	--	43	--	1.8	1.7	.16	1.3	1.5
SEP.										
11...	15	231	88	52	.5	.16	.16	.25	.52	.77

06881502 BIG BLUE RIVER BELOW BEATRICE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
NOV.										
02...	--	.51	.45	427	--	.58	544	--	--	--
21...	--	1.2	.58	361	--	.49	1180	--	--	--
DEC.										
11...	--	.58	.41	--	438	.60	438	260	33	1.3
JAN.										
24...	4.0	.57	.39	--	273	.37	503	160	14	1.0
FEB.										
13...	3.3	.57	.41	463	--	.63	655	--	--	--
MAR.										
27...	2.2	.44	.37	461	--	.63	411	--	--	--
APR.										
17...	2.7	.45	.25	433	--	.59	499	--	--	--
MAY										
08...	3.7	.74	.27	385	--	.52	308	--	--	--
JUNE										
20...	5.1	1.2	.45	--	218	.30	233	110	5	1.1
JULY										
10...	3.0	.73	.42	430	--	.58	140	--	--	--
30...	3.3	.88	.66	399	--	.54	159	--	--	--
SEP.										
11...	.93	.73	.47	--	431	.59	109	240	6	1.6

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)
NOV.										
02...	689	7.5	9.0	--	35	10.1	2.2	4100	720	--
21...	579	7.2	7.0	--	170	9.2	7.6	60700	178000	--
DEC.										
11...	698	7.6	2.0	9	25	11.0	2.2	1130	800	--
JAN.										
24...	461	7.8	.5	80	55	12.0	4.5	2400	39000	0
FEB.										
13...	748	7.7	7.5	--	30	11.4	1.1	3100	680	--
MAR.										
27...	748	8.3	10.2	--	9	13.0	4.1	2430	620	--
APR.										
17...	706	7.9	13.0	--	40	12.0	.4	1830	620	--
MAY										
08...	634	7.8	19.5	--	120	8.1	17	1430	160	--
JUNE										
20...	379	7.4	27.0	40	--	5.9	1.1	3300	1500	--
JULY										
10...	733	8.1	28.0	--	70	11.3	16	10000	1480	--
30...	664	7.6	24.5	--	70	6.7	14	1500	480	--
SEP.										
11...	712	8.4	22.0	20	40	8.9	14	900	366	8

DATE	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
NOV.										
02...	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--
DEC.										
11...	60	--	--	--	--	--	--	--	--	--
JAN.										
24...	50	1	0	21	4	--	.1	4	0	40
FEB.										
13...	--	--	--	--	--	--	--	--	--	--
MAR.										
27...	--	--	--	--	--	--	--	--	--	--
APR.										
17...	--	--	--	--	--	--	--	--	--	--
MAY										
08...	--	--	--	--	--	--	--	--	--	--
JUNE										
20...	70	--	--	--	--	--	--	--	--	--
JULY										
10...	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--
SEP.										
11...	80	4	0	50	1	.1	.1	3	0	10

06884025 LITTLE BLUE RIVER AT HOLLENBERG, KANS.

LOCATION.--Lat 39°58'48", long 97°00'16", in NE¼SW¼ sec.8, T.1 S., R.4 E., Washington County, at gaging station on county road 0.6 mi (1.0 km) west of Hollenberg, and 1.75 mi downstream from Nebraska-Kansas State line.

DRAINAGE AREA.--2,752 mi^2 (7,128 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1972 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DISCHARGE (CFS) (00060)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
NOV.										
02...	1200	460	--	--	--	--	--	--	--	--
21...	1030	2090	--	--	--	--	--	--	--	--
DEC.										
11...	1420	389	28	20	130	87	12	36	7.2	274
JAN.										
24...	0940	520	19	60	70	58	8.0	22	7.4	182
FEB.										
13...	1500	1290	--	--	--	--	--	--	--	--
MAR.										
27...	1000	282	--	--	--	--	--	--	--	--
APR.										
17...	1000	356	--	--	--	--	--	--	--	--
MAY										
08...	0945	298	--	--	--	--	--	--	--	--
JUNE										
20...	1000	297	9.7	20	0	57	9.3	30	8.4	205
JULY										
10...	1230	160	--	--	--	--	--	--	--	--
30...	1200	133	--	--	--	--	--	--	--	--
SEP.										
11...	1230	103	23	20	20	64	13	49	9.4	239

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)
NOV.										
02...	--	--	--	37	--	--	1.7	.08	.41	.49
21...	--	--	--	20	--	--	1.1	1.8	3.1	4.9
DEC.										
11...	0	225	60	36	.3	--	1.9	.14	.40	.54
JAN.										
24...	0	149	42	22	.5	1.7	1.6	.82	.98	1.8
FEB.										
13...	--	--	--	13	--	1.2	1.2	.64	2.4	3.0
MAR.										
27...	--	--	--	38	--	.94	.95	.11	.36	.47
APR.										
17...	--	--	--	32	--	1.0	.95	.22	.65	.87
MAY										
08...	--	--	--	37	--	1.2	1.2	.60	.60	1.2
JUNE										
20...	--	168	43	31	.4	1.4	1.2	.04	1.7	1.7
JULY										
10...	--	--	--	43	--	.30	.29	.27	1.5	1.8
30...	--	--	--	35	--	.20	.19	.31	1.6	1.9
SEP.										
11...	--	196	43	55	.4	1.1	1.1	.40	.90	1.3

06884025 LITTLE BLUE RIVER AT HOLLENBERG, KANS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
NOV.										
02...	--	.35	.23	439	--	.60	545	--	--	--
21...	--	1.0	.16	254	--	.35	1430	--	--	--
DEC.										
11...	--	.30	.20	--	410	.56	431	270	42	1.0
JAN.										
24...	3.5	.40	.28	--	276	.38	388	180	29	.7
FEB.										
13...	4.2	.78	.24	197	--	.27	686	--	--	--
MAR.										
27...	1.4	.19	.15	408	--	.55	311	--	--	--
APR.										
17...	1.9	.30	.19	376	--	.51	361	--	--	--
MAY										
08...	2.4	.37	.17	403	--	.55	324	--	--	--
JUNE										
20...	3.1	.68	.37	--	295	.40	237	180	12	1.0
JULY										
10...	2.1	.47	.29	363	--	.49	157	--	--	--
30...	2.1	.59	.32	320	--	.44	115	--	--	--
SEP.										
11...	2.4	.58	.41	--	380	.52	106	210	17	1.5

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)
NOV.									
02...	693	7.1	9.0	--	25	10.4	.6	5800	600
21...	416	7.1	8.0	--	800	10.0	7.2	17300	55000
DEC.									
11...	662	7.8	5.5	5	20	10.1	1.9	6200	3400
JAN.									
24...	459	7.8	.5	50	80	12.2	3.2	13000	22500
FEB.									
13...	298	7.9	5.5	--	380	11.2	7.1	3700	4900
MAR.									
27...	668	7.8	8.5	--	10	10.0	.8	33	100
APR.									
17...	632	7.8	10.2	--	15	10.4	4.9	370	200
MAY									
08...	654	7.7	16.5	--	60	8.4	7.2	1230	660
JUNE									
20...	509	7.5	25.5	20	--	8.5	5.0	1130	860
JULY									
10...	601	8.0	26.5	--	45	9.4	7.1	7600	256
30...	534	7.6	24.5	--	120	7.9	9.2	667	580
SEP.									
11...	622	7.6	22.0	8	60	8.5	5.1	360	580

DATE	DISSOLVED ARSENIC (AS) (UG/L) (01000)	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
DEC.											
11...	--	60	--	--	--	--	--	--	--	--	--
JAN.											
24...	0	70	1	0	22	5	.2	.1	3	0	30
JUNE											
20...	--	70	--	--	--	--	--	--	--	--	--
SEP.											
11...	5	90	5	0	20	2	.2	.2	2	0	90

ANALYSES OF SAMPLES COLLECTED AT PARTIAL-RECORD WATER-QUALITY STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
NIOBRARA RIVER BASIN										
06462450 - PLUM CREEK AT JOHNSTOWN, NEBR (LAT 42 34 08 LONG 100 06 22)										
NOV., 1973 19...	1525	34	50	50	0	29	4.7	11	6.5	137
MAY , 1974 07...	1240	27	49	40	0	22	3.3	6.9	5.1	101
06462470 - PLUM CREEK NEAR JOHNSTOWN, NEBR (LAT 42 40 01 LONG 100 03 26)										
NOV., 1973 19...	1345	85	54	40	0	27	4.4	9.5	6.1	132
MAY , 1974 07...	1405	109	47	50	0	23	3.2	6.4	5.4	105
06463090 - BONE CREEK AT AINSWORTH, NEBR (LAT 42 32 51 LONG 099 52 33)										
MAY , 1974 07...	1545	3.2	.2	180	30	20	3.2	6.1	4.5	86
06463350 - BONE CREEK NEAR LONG PINE, NEBR (LAT 42 40 16 LONG 099 46 06)										
NOV., 1973 20...	0920	32	53	50	0	29	4.4	10	6.1	122
MAY , 1974 08...	0835	34	50	70	0	29	4.6	8.9	6.1	126
PLATTE RIVER BASIN										
06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)										
NOV., 1973 29...	1000	33	--	--	--	--	--	--	--	--
MAR., 1974 21...	0910	21	14	--	--	98	24	160	5.7	297
JUNE 13...	1500	12	--	--	--	--	--	--	--	--
SEP. 24...	1035	2.0	22	--	--	100	22	180	7.8	303

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
NIOBRARA RIVER BASIN										
06462450 - PLUM CREEK AT JOHNSTOWN, NEBR (LAT 42 34 08 LONG 100 06 22)										
NOV., 1973 19...	0	112	3.2	1.6	.4	--	.38	--	--	--
MAY , 1974 07...	0	83	3.5	1.7	.4	--	.35	--	--	--
06462470 - PLUM CREEK NEAR JOHNSTOWN, NEBR (LAT 42 40 01 LONG 100 03 26)										
NOV., 1973 19...	0	108	3.2	1.4	.4	--	.43	--	--	--
MAY , 1974 07...	0	86	3.5	1.6	.4	--	1.5	--	--	--
06463090 - BONE CREEK AT AINSWORTH, NEBR (LAT 42 32 51 LONG 099 52 33)										
MAY , 1974 07...	0	71	4.3	2.6	.4	--	.03	--	--	--
06463350 - BONE CREEK NEAR LONG PINE, NEBR (LAT 42 40 16 LONG 099 46 06)										
NOV., 1973 20...	0	100	6.3	4.4	.2	--	1.4	--	--	--
MAY , 1974 08...	0	103	3.0	2.7	.5	--	.86	--	--	--
PLATTE RIVER BASIN										
06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)										
NOV., 1973 29...	--	--	--	99	--	--	1.6	.16	.79	.95
MAR., 1974 21...	0	244	130	220	.1	.73	.73	.16	.31	.47
JUNE 13...	--	--	--	170	--	.94	.96	.49	1.3	1.8
SEP. 24...	--	249	140	260	.5	.65	.61	.10	.87	.97

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

NIOBRARA RIVER BASIN

06462450 - PLUM CREEK AT JOHNSTOWN, NEBR (LAT 42 34 08 LONG 100 06 22)

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
NOV., 1973 19...	--	--	.10	--	176	.24	16.2	92	0	.5
MAY , 1974 07...	--	--	.18	--	143	.19	10.4	69	0	.4

06462470 - PLUM CREEK NEAR JOHNSTOWN, NEBR (LAT 42 40 01 LONG 100 03 26)

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
NOV., 1973 19...	--	--	.10	--	173	.24	39.7	86	0	.4
MAY , 1974 07...	--	--	.17	--	149	.20	43.9	71	0	.3

06463090 - BONE CREEK AT AINSWORTH, NEBR (LAT 42 32 51 LONG 099 52 33)

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
MAY , 1974 07...	--	--	.29	--	84	.11	.73	63	0	.3

06463350 - BONE CREEK NEAR LONG PINE, NEBR (LAT 42 40 16 LONG 099 46 06)

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
NOV., 1973 20...	--	--	.27	--	180	.24	15.6	91	0	.5
MAY , 1974 08...	--	--	.29	--	171	.23	15.7	91	0	.4

PLATTE RIVER BASIN

06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
NOV., 1973 29...	--	.29	.17	545	--	.74	48.6	--	--	--
MAR., 1974 21...	1.2	.18	.17	803	802	1.09	45.5	340	100	3.8
JUNE 13...	2.7	.43	--	736	--	1.00	23.8	--	--	--
SEP. 24...	1.6	.29	.23	928	885	1.26	5.01	340	92	4.2

NIOBRARA RIVER BASIN

06462450 - PLUM CREEK AT JOHNSTOWN, NEBR (LAT 42 34 08 LONG 100 06 22)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED BORON (B) (UG/L) (01020)
NOV., 1973 19...	229	8.1	6.5	20	--	--	--	--	--	30
MAY , 1974 07...	172	8.1	15.5	10	--	--	--	--	--	30

06462470 - PLUM CREEK NEAR JOHNSTOWN, NEBR (LAT 42 40 01 LONG 100 03 26)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED BORON (B) (UG/L) (01020)
NOV., 1973 19...	223	8.2	6.5	10	--	--	--	--	--	10
MAY , 1974 07...	180	7.8	16.0	9	--	--	--	--	--	40

06463090 - BONE CREEK AT AINSWORTH, NEBR (LAT 42 32 51 LONG 099 52 33)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED BORON (B) (UG/L) (01020)
MAY , 1974 07...	163	8.1	17.5	30	--	--	--	--	--	30

06463350 - BONE CREEK NEAR LONG PINE, NEBR (LAT 42 40 16 LONG 099 46 06)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED BORON (B) (UG/L) (01020)
NOV., 1973 20...	231	8.1	1.0	7	--	--	--	--	--	60
MAY , 1974 08...	228	8.0	11.0	10	--	--	--	--	--	30

PLATTE RIVER BASIN

06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED BORON (B) (UG/L) (01020)
NOV., 1973 29...	916	7.8	5.0	--	45	10.8	1.0	633	2700	--
MAR., 1974 21...	1310	7.9	1.0	20	7	11.5	2.6	240	460	100
JUNE 13...	1240	7.7	24.0	--	45	8.2	1.4	775	1700	--
SEP. 24...	1430	7.4	13.0	5	--	7.9	2.7	210	640	150

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
PLATTE RIVER BASIN										
06803190 - SALT CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 03 LONG 096 42 03)										
NOV., 1973										
29...	1130	154	--	--	--	--	--	--	--	--
MAR., 1974										
21...	1045	94	13	--	--	93	28	620	8.8	339
JUNE										
24...	1340	48	--	--	--	--	--	--	--	--
SEP.										
24...	0935	22	17	--	--	100	46	2300	15	385
06803405 - ANTELOPE CREEK AT COURT STREET, AT LINCOLN, NEBR (LAT 40 49 44 LONG 096 41 58)										
NOV., 1973										
29...	1100	3.1	--	--	--	--	--	--	--	--
MAR., 1974										
21...	1010	1.9	24	--	--	110	31	1300	14	247
JUNE										
24...	1300	2.2	--	--	--	--	--	--	--	--
SEP.										
24...	0955	1.7	40	--	--	140	38	1200	16	243
06803493 - OAK CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 10 LONG 096 42 03)										
NOV., 1973										
29...	1200	109	--	--	--	--	--	--	--	--
MAR., 1974										
21...	1120	80	13	--	--	91	25	350	10	363
JUNE										
24...	1430	38	--	--	--	--	--	--	--	--
SEP.										
24...	0910	14	18	--	--	99	33	1300	14	432
06803510 - LITTLE SALT CREEK NEAR LINCOLN, NEBR. (LAT 40 53 36 LONG 096 40 52)										
OCT., 1973										
10...	0945	417	10	--	--	17	4.6	91	10	85
11...	1030	1260	7.5	--	--	7.4	1.6	28	6.8	49

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
06803190 - SALT CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 03 LONG 096 42 03)										
NOV., 1973										
29...	--	--	--	520	--	--	1.5	.26	.72	.98
MAR., 1974										
21...	0	278	190	890	.2	.85	.82	.23	.64	.87
JUNE										
24...	--	--	--	1600	--	.35	.11	.03	.96	.99
SEP.										
24...	--	316	440	3400	.7	.70	.36	.60	.70	1.3
06803405 - ANTELOPE CREEK AT COURT STREET, AT LINCOLN, NEBR (LAT 40 49 44 LONG 096 41 58)										
NOV., 1973										
29...	--	--	--	870	--	--	2.3	.14	.67	.81
MAR., 1974										
21...	0	203	300	1900	.4	3.1	3.1	.60	.40	1.0
JUNE										
24...	--	--	--	1600	--	2.4	2.1	.03	1.2	1.2
SEP.										
24...	--	199	400	1800	1.0	3.0	3.0	.11	1.5	1.6
06803493 - OAK CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 10 LONG 096 42 03)										
NOV., 1973										
29...	--	--	--	81	--	--	1.1	.25	.74	.99
MAR., 1974										
21...	0	298	120	500	.2	.84	.78	.23	.63	.86
JUNE										
24...	--	--	--	1100	--	.66	.08	.10	1.5	1.6
SEP.										
24...	--	354	250	1900	.5	.14	.07	.23	.01	.24
06803510 - LITTLE SALT CREEK NEAR LINCOLN, NEBR. (LAT 40 53 36 LONG 096 40 52)										
OCT., 1973										
10...	0	70	43	110	.5	--	.61	1.1	4.1	5.2
11...	0	40	14	27	.5	--	.48	.92	3.1	4.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
PLATTE RIVER BASIN										
06803190 - SALT CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 03 LONG 096 42 03)										
NOV., 1973										
29...	--	.33	.21	1350	--	1.84	561	--	--	--
MAR., 1974										
21...	1.7	.27	.25	2020	2010	2.75	513	350	69	14
JUNE										
24...	1.3	.24	.15	3390	--	4.61	439	--	--	--
SEP.										
24...	2.0	.42	.25	6360	6510	8.65	378	440	120	48
06803405 - ANTELOPE CREEK AT COURT STREET, AT LINCOLN, NEBR (LAT 40 49 44 LONG 096 41 58)										
NOV., 1973										
29...	--	.48	.36	1880	--	2.56	15.7	--	--	--
MAR., 1974										
21...	4.1	2.4	2.4	3780	3820	5.14	19.4	400	200	28
JUNE										
24...	3.6	.58	.01	3310	--	4.50	19.7	--	--	--
SEP.										
24...	4.6	.46	.45	3720	3770	5.06	17.1	510	310	23
06803493 - OAK CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 10 LONG 096 42 03)										
NOV., 1973										
29...	--	.17	.11	1060	--	1.44	312	--	--	--
MAR., 1974										
21...	1.7	.17	.11	1280	1290	1.74	276	330	32	8.4
JUNE										
24...	2.3	.28	.00	2460	--	3.35	252	--	--	--
SEP.										
24...	.38	.33	.20	3900	3830	5.30	147	380	29	29
06803510 - LITTLE SALT CREEK NEAR LINCOLN, NEBR. (LAT 40 53 36 LONG 096 40 52)										
OCT., 1973										
10...	--	1.5	.36	376	331	.51	423	61	0	5.1
11...	--	1.4	.31	140	119	.19	476	25	0	2.4

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED BORON (B) (UG/L) (01020)
06803190 - SALT CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 03 LONG 096 42 03)										
NOV., 1973										
29...	2330	8.0	6.0	--	35	11.4	2.0	425	2200	--
MAR., 1974										
21...	3470	7.9	1.5	20	10	12.8	1.2	>600	200	250
JUNE										
24...	6140	8.0	26.0	--	4	14.0	4.8	--	200	--
SEP.										
24...	11100	7.7	12.0	5	9	10.6	4.2	1430	700	810
06803405 - ANTELOPE CREEK AT COURT STREET, AT LINCOLN, NEBR (LAT 40 49 44 LONG 096 41 58)										
NOV., 1973										
29...	3300	8.0	8.5	--	45	10.2	3.3	467	1520	--
MAR., 1974										
21...	7150	7.7	5.0	10	25	13.3	4.0	>6000	320	270
JUNE										
24...	5830	8.9	26.0	--	7	17.8	8.6	--	700	--
SEP.										
24...	6240	7.6	14.5	5	2	13.0	2.2	120	1200	300
06803493 - OAK CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 10 LONG 096 42 03)										
NOV., 1973										
29...	1890	7.9	5.5	--	30	11.0	1.5	75	860	--
MAR., 1974										
21...	2260	7.7	1.0	20	20	11.8	2.7	130	50	180
JUNE										
24...	4310	7.6	25.0	--	20	10.6	4.2	--	160	--
SEP.										
24...	6930	7.6	12.5	5	10	7.2	4.8	300	320	530
06803510 - LITTLE SALT CREEK NEAR LINCOLN, NEBR. (LAT 40 53 36 LONG 096 40 52)										
OCT., 1973										
10...	591	7.0	19.0	400	750	--	6.4	--	--	180
11...	201	7.2	16.0	700	1100	8.1	4.2	47000	222000	110

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

PLATTE RIVER BASIN

06803523 - STEVENS CREEK AT HIGHWAY 6, NEAR LINCOLN, NEBR. (LAT 40 52 35 LONG 096 36 16)

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT., 1973 11...	1100	2390	8.5	--	--	8.3	2.2	5.1	6.0	39
MAR., 1974 14...	0915	19	13	--	--	80	23	48	4.4	356
JUNE 14...	1300	7.2	23	--	--	83	22	53	5.3	369
SEP. 25...	1110	.95	22	--	--	82	22	51	6.0	369

06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
APR., 1974 25...	1300	3.5	23	--	--	70	19	22	3.6	260
MAY 30...	1130	88	6.2	70	200	26	5.8	6.8	7.6	116
JUNE 26...	1250	3.2	24	50	240	70	18	21	4.2	272

06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
APR., 1974 25...	1200	8.6	19	20	380	61	17	21	2.1	244
MAY 30...	1240	454	10	80	200	17	4.0	5.1	7.0	73
JUNE 26...	1215	7.4	37	30	150	60	16	21	2.3	256

WEEPING WATER CREEK BASIN

06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
APR., 1974 25...	1020	27	14	30	330	66	18	30	3.2	296
MAY 30...	1430	796	18	20	170	51	12	20	5.0	211
JUNE 26...	1030	20	17	20	50	56	17	29	3.7	257

PLATTE RIVER BASIN

06803523 - STEVENS CREEK AT HIGHWAY 6, NEAR LINCOLN, NEBR. (LAT 40 52 35 LONG 096 36 16)

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
OCT., 1973 11...	0	32	7.3	1.1	.1	--	.59	.67	2.8	3.5
MAR., 1974 14...	0	292	76	12	.8	2.7	2.7	.22	.28	.50
JUNE 14...	--	303	65	26	.5	2.7	2.9	.12	1.2	1.3
SEP. 25...	--	303	65	23	.3	1.6	1.0	.49	.91	1.4

06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
APR., 1974 25...	0	213	44	9.7	.4	4.8	5.0	.28	.42	.70
MAY 30...	0	95	16	4.0	.6	4.1	.12	.65	27	28
JUNE 26...	0	223	42	10	.5	4.8	4.7	.02	.81	.83

06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
APR., 1974 25...	0	200	28	6.1	.4	5.7	5.6	.21	.45	.66
MAY 30...	0	60	12	2.5	.4	3.4	2.5	1.2	16	17
JUNE 26...	0	210	25	6.3	.4	5.4	.02	.05	.75	.80

WEEPING WATER CREEK BASIN

06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
APR., 1974 25...	0	243	45	6.8	.3	3.1	2.9	.21	.75	.96
MAY 30...	0	173	28	4.0	.6	4.4	3.7	.20	7.8	8.0
JUNE 26...	0	211	44	7.6	.4	2.4	.10	.05	1.6	1.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
PLATTE RIVER BASIN										
06803523 - STEVENS CREEK AT HIGHWAY 6, NEAR LINCOLN, NEBR. (LAT 40 52 35 LONG 096 36 16)										
OCT., 1973										
11...	--	.73	.21	80	61	.11	516	30	0	.4
MAR., 1974										
14...	3.2	.21	.15	446	445	.61	22.9	290	2	1.2
JUNE										
14...	4.0	.45	.35	482	473	.66	9.37	300	0	1.3
SEP.										
25...	3.0	.45	.39	455	458	.62	1.17	300	0	1.3
06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)										
APR., 1974										
25...	5.5	.28	.15	299	342	.41	2.83	250	40	.6
MAY										
30...	32	2.8	.08	144	131	.20	34.2	89	0	.3
JUNE										
26...	5.6	.26	.23	344	345	.47	2.97	250	27	.6
06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)										
APR., 1974										
25...	6.4	2.6	2.2	306	300	.42	7.11	220	22	.6
MAY										
30...	20	4.5	.08	118	105	.16	145	59	0	.3
JUNE										
26...	6.2	.26	.00	308	294	.42	6.15	220	10	.6
WEEPING WATER CREEK BASIN										
06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)										
APR., 1974										
25...	4.1	.32	.16	350	343	.48	25.5	240	0	.8
MAY										
30...	12	1.7	.21	267	259	.36	574	180	7	.7
JUNE										
26...	4.0	.35	.00	320	302	.44	17.3	210	0	.9

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED BORON (B) (UG/L) (01020)
PLATTE RIVER BASIN										
06803523 - STEVENS CREEK AT HIGHWAY 6, NEAR LINCOLN, NEBR. (LAT 40 52 35 LONG 096 36 16)										
OCT., 1973										
11...	89	7.1	16.0	400	800	8.2	4.9	49000	124000	90
MAR., 1974										
14...	725	7.9	7.0	30	10	10.1	3.8	1300	600	40
JUNE										
14...	731	7.8	25.0	8	25	7.4	1.6	2000	1150	100
SEP.										
25...	737	7.4	14.0	5	10	7.9	3.1	1230	540	250
06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)										
APR., 1974										
25...	561	8.0	16.0	8	--	12.8	2.2	140	--	70
MAY										
30...	286	7.2	20.0	70	4000	5.7	3.8	106000	--	60
JUNE										
26...	560	7.6	21.0	7	--	10.2	1.3	33	--	80
06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)										
APR., 1974										
25...	502	8.0	15.0	10	--	11.0	--	110	--	50
MAY										
30...	170	7.0	19.5	400	3200	4.3	4.0	140000	--	60
JUNE										
26...	494	7.6	21.5	5	--	9.2	27	33	--	60
WEEPING WATER CREEK BASIN										
06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)										
APR., 1974										
25...	573	7.7	14.0	20	--	8.4	3.4	4150	--	70
MAY										
30...	418	7.5	22.0	30	800	6.8	3.0	27300	--	60
JUNE										
26...	511	7.7	21.0	7	--	7.2	6.4	4000	--	110

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

WEEPING WATER CREEK BASIN

06806495 - S BR WEEPING WATER CREEK NEAR UNION NEBR (LAT 40 48 45 LONG 095 56 43)

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
APR., 1974 25...	0940	22	13	40	580	64	15	29	2.5	270
MAY 30...	1615	75	7.9	30	260	54	12	16	5.0	210
JUNE 26...	0930	17	17	20	260	68	15	32	2.9	274

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)
APR., 1974 25...	0	221	34	18	.4	3.4	3.1	.17	.60	.77
MAY 30...	0	172	26	4.2	.5	5.0	2.7	.25	5.4	5.6
JUNE 26...	0	225	32	23	.4	4.8	.00	.10	1.1	1.2

DATE	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)
APR., 1974 25...	4.2	.22	.14	332	323	.45	19.7	220	0	.8
MAY 30...	11	.90	.25	271	241	.37	54.9	180	8	.5
JUNE 26...	6.0	.41	.24	360	326	.49	16.5	230	5	.9

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED BORON (B) (UG/L) (01020)
APR., 1974 25...	505	7.8	12.5	20	--	9.3	2.1	75	--	50
MAY 30...	421	7.5	24.5	30	250	6.4	4.1	25300	--	50
JUNE 26...	523	7.7	19.5	10	--	8.0	3.3	160	--	50

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

NIOBRARA RIVER BASIN

06463500 - LONG PINE CREEK NEAR RIVERVIEW, NEBR. (LAT 42 41 20 LONG 099 41 20)

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT., 1973												
11...	1300	174	--	--	--	--	--	--	--	--	--	--

PLATTE RIVER BASIN

06803528 - ROCK CREEK ABOVE CERESCO, NEBR. (LAT 41 03 08 LONG 096 40 43)

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
MAR., 1974												
14...	1145	7.5	30	--	--	77	17	35	6.0	331	0	271
APR.												
08...	1120	6.7	--	--	--	70	16	31	5.7	300	0	246
29...	1115	6.4	--	--	--	74	17	31	5.7	327	0	268
MAY												
30...	1040	11	--	--	--	45	12	20	8.9	200	0	164
JUNE												
14...	0945	5.9	--	--	--	73	16	34	5.7	307	0	252

KANSAS RIVER BASIN

06881015 - B BLUE R BL SQUAW CREEK NR CRETE NEBR (LAT 40 33 04 LONG 096 57 09)

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT., 1973												
31...	1200	251	--	--	--	--	--	--	--	--	--	--
NOV.												
28...	1200	282	--	--	--	--	--	--	--	--	--	--
DEC.												
13...	1200	215	30	20	300	86	18	35	10	307	0	252

NIOBRARA RIVER BASIN

06463500 - LONG P... CREEK NEAR RIVERVIEW, NEBR. (LAT 42 41 20 LONG 099 41 20)

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)
OCT., 1973												
11...	--	--	--	--	--	--	--	--	--	--	--	--

PLATTE RIVER BASIN

06803528 - ROCK CREEK ABOVE CERESCO, NEBR. (LAT 41 03 08 LONG 096 40 43)

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)
MAR., 1974												
14...	52	17	.6	1.5	--	--	--	--	.16	404	.55	8.18
APR.												
08...	40	9.9	--	1.3	--	--	--	--	.32	--	--	--
29...	40	11	--	.32	--	--	--	--	.32	--	--	--
MAY												
30...	29	7.3	--	4.3	--	--	--	--	.44	--	--	--
JUNE												
14...	42	25	--	1.3	--	--	--	--	.37	--	--	--

KANSAS RIVER BASIN

06881015 - B BLUE R BL SQUAW CREEK NR CRETE NEBR (LAT 40 33 04 LONG 096 57 09)

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)
OCT., 1973												
31...	--	15	--	1.6	.11	.67	.78	.66	.61	--	.52	257
NOV.												
28...	--	12	--	1.8	.60	1.8	2.4	.73	.51	--	.36	203
DEC.												
13..	76	16	.2	2.0	.37	.73	1.1	.65	.46	432	.59	251

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED BORON (B) (UG/L) (01020)
NIOBRARA RIVER BASIN												
06463500 - LONG PINE CREEK NEAR RIVERVIEW, NEBR. (LAT 42 41 20 LONG 099 41 20)												
OCT., 1973 11...	--	--	--	--	8.0	11.0	--	25	9.5	--	--	--
PLATTE RIVER BASIN												
06803528 - ROCK CREEK ABOVE CERESCO, NEBR. (LAT 41 03 08 LONG 096 48 43)												
MAR., 1974 14...	260	0	.9	616	8.0	7.0	20	--	--	--	--	60
APR. 08...	240	0	.9	570	7.9	--	20	--	--	--	--	--
29...	250	0	.8	602	8.1	14.0	7	--	--	--	--	--
MAY 30...	160	0	.7	380	7.6	19.5	30	--	--	--	--	--
JUNE 14...	250	0	.9	616	8.1	2.0	7	--	--	--	--	--
KANSAS RIVER BASIN												
06881015 - B BLUE R BL SQUAW CREEK NR CRETE NEBR (LAT 40 33 04 LONG 096 57 09)												
OCT., 1973 31...	--	--	--	586	7.6	10.0	--	45	10.0	14700	1050	--
NOV. 28...	--	--	--	435	7.6	4.5	--	140	9.8	3600	9600	--
DEC. 13...	290	37	.9	675	7.6	2.0	7	20	9.5	13700	1600	90

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

INSTANTANEOUS SUSPENDED SEDIMENT AND PARTICLE SIZE, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
PLATTE RIVER BASIN							
06803530 - ROCK CREEK NEAR CERESCO, NEBR.							
OCT.							
10...	1720	15.0	407	2080	2280	50	58
11...	1205	15.0	2690	4160	30200	33	39
AUG.							
16...	1210	23.0	170	4310	1980	43	51
SEP.							
25...	0950	--	4.9	120	1.6	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
OCT.						
10...	77	99	99	100	--	--
11...	60	95	96	97	99	100
AUG.						
16...	72	99	100	--	--	--
SEP.						
25...	--	--	--	--	--	--

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)
06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)												
MAY , 1974												
30...	1130	20.0	88	25200	5990	39	46	68	100	--	--	--
06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)												
MAY , 1974												
30...	1240	19.5	454	24000	29400	46	59	74	94	--	--	--
WEEPING WATER CREEK BASIN												
06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)												
MAY , 1974												
30...	1430	22.0	796	3580	7690	38	50	76	98	98	99	100
06806495 - S BR WEEPING WATER CREEK NEAR UNION NEBR (LAT 40 48 45 LONG 095 56 43)												
MAY , 1974												
30...	1620	24.5	75	855	173	--	--	--	94	--	--	--
KANSAS RIVER BASIN												
06834000 - FRENCHMAN CREEK AT PALISADE, NEBR. (LAT 40 20 50 LONG 101 07 40)												
JULY, 1974												
15...	1225	27.0	310	1200	1000	6	7	11	51	91	97	100

INSTANTANEOUS SUSPENDED SEDIMENT AND PARTICLE SIZE, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

KANSAS RIVER BASIN

06835000 - STINKING WATER CREEK NEAR PALISADE, NEBR. (LAT 40 22 10 LONG 101 06 50)

DATE	TIME	TEMPERATURE (DEG C) (00010)	DISCHARGE (CFS) (00060)	SUSPENDED SEDIMENT (MG/L) (80154)	SUSPENDED SEDIMENT DISCHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)
NOV., 1973												
05...	1100	--	44	454	54	--	--	--	--	--	--	--
DEC.												
03...	1240	7.0	45	617	75	--	--	--	--	--	--	--
JAN., 1974												
29...	1400	2.0	60	1200	194	--	--	--	--	--	--	--
FEB.												
26...	1100	--	48	690	89	--	--	--	42	91	100	--
MAR.												
26...	1300	9.0	47	713	90	--	--	--	37	94	100	--
APR.												
08...	1220	9.0	55	1020	151	--	--	--	--	--	--	--
MAY												
06...	1120	16.0	40	581	63	--	--	--	--	--	--	--
JUNE												
03...	1240	21.0	34	620	57	--	--	--	81	99	100	--
JULY												
01...	1350	22.0	34	802	74	--	--	--	--	--	--	--
29...	1345	24.0	17	326	15	--	--	--	--	--	--	--
SEP.												
23...	1300	15.0	23	290	18	--	--	--	--	--	--	--

PARTICLE SIZE OF BED MATERIAL, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	NUMBER OF SAMPLING POINTS (00063)	DISCHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
PLATTE RIVER BASIN												
06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)												
MAY , 1974 30...	1130	3	88	58	71	84	97	98	100	--	--	--
06805500 - PLATTE RIVER AT LOUISVILLE, NEBR. (LAT 41 00 55 LONG 096 09 28.01)												
OCT., 1973 15...	1400	4	16000	9	17	54	78	88	92	97	100	--
FEB., 1974 11...	1220	3	8790	0	2	31	61	90	96	99	100	--
MAR. 15...	1400	2	10300	--	0	5	30	76	92	98	100	--
APR. 12...	1240	3	12400	0	1	18	57	87	95	98	100	--
MAY 24...	1030	3	8700	10	20	46	72	88	95	99	100	--
JULY 05...	1135	1	1770	--	0	11	52	88	98	100	--	--
06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)												
MAY , 1974 30...	1240	2	454	65	75	85	97	99	100	--	--	--
WEEPING WATER CREEK BASIN												
06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)												
MAY , 1974 30...	1430	3	796	0	32	42	74	90	94	95	96	100
KANSAS RIVER BASIN												
06834000 - FRENCHMAN CREEK AT PALISADE, NEBR. (LAT 40 20 50 LONG 101 07 40)												
JULY, 1974 15...	1225	--	310	1	2	16	57	89	96	99	100	--
06835000 - STINKING WATER CREEK NEAR PALISADE, NEBR. (LAT 40 22 10 LONG 101 06 50)												
NOV., 1973 05...	1100	10	44	1	8	20	40	54	64	83	95	100
DEC. 03...	1240	9	45	1	10	17	38	58	68	81	95	100
JAN., 1974 29...	1400	9	60	8	22	32	44	57	66	80	94	100
FEB. 26...	1100	8	48	8	25	34	50	72	78	87	96	100
MAR. 26...	1300	8	47	6	22	32	48	67	76	88	98	100
APR. 08...	1220	8	55	8	33	44	68	91	97	100	--	--
MAY 06...	1120	9	40	1	16	34	63	87	94	98	100	--
JUNE 03...	1240	8	34	3	22	36	57	75	86	95	99	100
JULY 01...	1350	8	34	10	24	35	57	76	82	89	96	100
29...	1345	13	17	2	9	18	42	59	67	76	90	100
SEP. 23...	1300	8	23	2	12	20	39	58	67	86	97	100

WATER QUALITY DATA NOVEMBER 1972 TO SEPTEMBER 1974

DATE	TIME	DIS-CHARGE (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)
NIOBRARA RIVER BASIN				
06462000 - NIOBRARA RIVER NEAR NORDEN, NEBR. (LAT 42 47 13 LONG 100 02 06)				
July, 1973				
16...	--	470	236	22.5
Aug.				
6...	1200	484	236	26.0
Sep.				
17...	--	914	224	11.0
06465000 - NIOBRARA RIVER NEAR SPENCER, NEBR. (LAT 42 48 33 LONG 098 30 19)				
Aug., 1973				
1...	1050	788	251	22.0
22...	1048	646	245	25.0
Sep.				
12...	--	916	243	17.0
Oct.				
3...	--	2310	256	14.5
Nov.				
12...	--	1800	266	7.0
Feb., 1974				
4...	--	1700	258	1.0
Mar.				
19...	--	1400	250	5.0
Apr.				
9...	--	1790	279	7.5
May				
21...	1105	1770	256	22.0
July				
2...	--	619	251	26.0
Aug.				
13...	--	724	232	23.0
Sep.				
4...	--	953	192	--
PLATTE RIVER BASIN				
06690500 - NORTH PLATTE RIVER NEAR KEYSTONE, NEBR. (LAT 41 12 30 LONG 101 37 50)				
Nov., 1972				
8...	1330	3.9	751	10.5
16...	1345	4.3	755	6.5
Dec.				
1...	1305	8.6	752	5.0
15...	1130	2.5	763	4.0
20...	1500	3.4	750	6.0
Jan., 1973				
2...	1335	3.4	771	5.0
15...	1320	3.2	752	6.0
Feb.				
1...	1230	3.0	733	6.0
8...	1300	2.2	765	3.0
15...	1330	2.8	756	6.6
22...	1315	2.3	741	6.0
Mar.				
2...	1315	2.8	750	6.0
8...	1335	2.4	745	6.0
19...	--	3.0	750	5.0

PLATTE RIVER BASIN

06690500 - NORTH PLATTE RIVER NEAR KEYSTONE, NEBR.--CONTINUED

DATE	TIME	DIS-CHARGE (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)
Apr.				
4...	1235	2.7	753	6.0
10...	1245	57	723	5.0
17...	1315	57	739	10.0
24...	1125	386	738	7.0
May				
2...	1105	3350	719	7.0
7...	1130	4770	726	8.0
23...	1025	4660	757	12.0
June				
1...	1020	6650	747	13.0
8...	1155	6860	752	28.0
14...	1320	6210	738	12.0
20...	1220	5730	743	16.0
27...	1130	777	740	20.0
July				
2...	1330	2390	742	16.0
10...	1330	2090	735	18.0
17...	1215	2320	739	18.0
25...	1310	1470	744	18.5
Aug.				
1...	1335	1500	724	18.5
8...	1120	2180	690	18.0
10...	1200	2990	704	19.0
17...	1125	3550	717	19.0
22...	1115	3080	715	19.5
29...	1255	2930	717	19.0
Sep.				
4...	1330	2770	714	18.5
10...	1330	2750	744	18.5
17...	1250	2730	754	17.0
24...	1325	2670	744	17.0

06767500 - PLUM CREEK NEAR SMITHFIELD, NEBR. (LAT 40 39 40 LONG 099 42 00)

DATE	TIME	DIS-CHARGE (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)
Aug., 1973				
6...	0915	1.0	720	23.5
Sep.				
5...	1510	1.4	594	24.0
Feb., 1974				
6...	1310	.09	278	0.0
Mar.				
7...	1445	.35	477	5.0
Apr.				
16...	1520	.96	497	11.5
June				
12...	1115	8.7	430	16.5
25...	1515	.18	622	25.0
Aug.				
21...	1400	.15	820	22.0

06771000 - WOOD RIVER NEAR RIVERDALE, NEBR. (LAT 40 47 56 LONG 099 11 48)

DATE	TIME	DIS-CHARGE (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)
July, 1973				
9...	1325	.72	633	26.5
Aug.				
6...	1240	4.4	282	24.5
Sep.				
5...	1255	.08	468	21.0

WATER QUALITY DATA NOVEMBER 1972 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	TEMPER- ATURE (DEG C) (00010)
PLATTE RIVER BASIN				
06771500 - WOOD RIVER NEAR GIBBON, NEBR. (LAT 40 46 17 LONG 098 47 51)				
July, 1973				
9...	1140	2.8	1190	26.0
Aug.				
6...	1430	8.2	719	25.0
Sep.				
5...	1100	4.2	849	21.0
06772000 - WOOD RIVER NEAR ALDA, NEBR. (LAT 40 51 10 LONG 098 28 20)				
July, 1973				
26...	--	72	231	24.0
Aug.				
15...	1025	7.0	808	22.0
Sep.				
10...	--	.56	620	28.5
06780000 - MIDDLE LOUP RIVER AT ROCKVILLE, NEBR. (LAT 41 06 39 LONG 098 50 19)				
July, 1973				
18...	--	45	354	30.0
Aug.				
13...	--	172	304	29.0
Sep.				
13...	--	486	239	17.5
Nov.				
6...	--	879	212	--
Dec.				
20...	--	225	282	0.0
Jan., 1974				
14...	--	825	263	0.5
Feb.				
11...	--	1050	241	0.5
Mar.				
12...	--	1060	225	3.5
Apr.				
22...	--	879	230	14.0
May				
7...	--	388	239	17.5
June				
4...	--	418	226	23.0
July				
16...	--	75	296	25.5
Aug.				
12...	--	129	244	26.0

WATER QUALITY DATA NOVEMBER 1972 TO SEPTEMBER 1974

PLATTE RIVER BASIN

06782500 - SOUTH LOUP RIVER AT RAVENNA, NEBR. (LAT 41 00 42 LONG 098 54 44)

DATE	TIME	DIS-CHARGE (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)
July, 1973				
18...	1412	53	358	30.0
Aug.				
13...	1130	154	331	24.0
Sep.				
13...	--	164	337	14.5
Nov.				
6...	--	167	385	3.0
Jan., 1974				
14...	--	154	410	0.0
Feb.				
11...	--	300	400	1.0
Mar.				
12...	--	224	389	--
Apr.				
9...	1405	230	395	11.5
May				
7...	--	166	323	24.0
June				
4...	--	146	379	21.0
July				
16...	--	57	359	23.0
Aug.				
12...	--	93	316	22.0
Sep.				
12...	--	92	245	--

06792000 - CEDAR RIVER NEAR FULLERTON, NEBR. (LAT 41 23 45 LONG 098 00 15)

DATE	TIME	DIS-CHARGE (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)
July, 1973				
11...	1315	98	304	30.5
Aug.				
6...	1400	129	274	27.0

06795500 - SHELL CREEK NEAR COLUMBUS, NEBR. (LAT 41 31 33 LONG 097 16 55)

DATE	TIME	DIS-CHARGE (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)
Aug., 1973				
21...	1500	6.0	629	29.5
Sep.				
9...	1545	8.1	640	18.5
Oct.				
3...	1245	21	620	16.0
24...	1715	12	720	15.0
Nov.				
15...	1630	14	649	6.0
Jan., 1974				
18...	1015	16	672	0.5
Feb.				
28...	1320	31	657	1.5
Mar.				
21...	1015	20	661	3.0
Apr.				
11...	1115	24	638	10.5
May				
20...	1730	29	636	25.5
June				
12...	--	56	326	15.5
July				
26...	0915	3.5	618	--
Aug.				
13...	1115	5.4	529	22.0
Sep.				
26...	--	3.6	638	18.5

WATER QUALITY DATA NOVEMBER 1972 TO SEPTEMBER 1974

PLATTE RIVER BASIN

06797500 - ELKHORN RIVER AT EWING, NEBR. (LAT 42 16 03 LONG 098 20 11)

DATE	TIME	DIS-CHARGE (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)
Sep., 1973				
5...	1515	39	213	24.5
Oct.				
25...	1455	97	212	14.5
Nov.				
28...	1245	110	204	1.0
Jan., 1974				
9...	1400	53	223	0.5
30...	1500	192	287	0.5
Mar.				
13...	1500	201	233	4.0
Apr.				
4...	--	144	213	--
23...	1405	149	241	15.5
May				
16...	1600	92	221	22.5
June				
5...	1530	74	211	27.0
July				
19...	1245	16	236	33.0
Aug.				
7...	1245	12	228	22.5
Sep.				
18...	1530	19	215	26.5

06798500 - ELKHORN RIVER AT NELIGH, NEBR. (LAT 42 07 20 LONG 098 01 40)

DATE	TIME	DIS-CHARGE (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)
Sep., 1973				
5...	1720	102	264	26.5
Oct.				
25...	1300	212	243	12.0
Nov.				
8...	1000	202	247	--
28...	1130	285	253	0.5
Dec.				
20...	1000	135	314	1.0
Jan., 1974				
9...	1230	150	284	0.5
30...	1828	534	246	0.5
Mar.				
13...	1645	390	265	4.0
Apr.				
4...	1420	313	251	--
23...	1230	268	272	14.5
May				
16...	1830	211	269	22.0
June				
5...	1300	203	259	25.5
July				
19...	1245	48	279	33.0
Aug.				
7...	1105	55	269	21.0
Sep.				
18...	1235	75	264	22.0

WATER QUALITY DATA NOVEMBER 1972 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	TEMPER- ATURE (DEG C) (00010)
PLATTE RIVER BASIN				
06799000 - ELKHORN RIVER NEAR NORFOLK, NEBR (LAT 42 00 20 LONG 097 28 40)				
July, 1973				
26...	1210	257	298	24.5
Sep.				
6...	1150	157	302	22.0
24...	1700	--	310	13.5
Nov.				
7...	1345	314	322	--
28...	1630	406	316	3.5
Jan., 1974				
10...	1230	211	345	0.5
Mar.				
14...	1045	537	309	4.5
Apr.				
5...	--	536	309	5.0
24...	1130	405	315	13.0
May				
17...	1145	310	319	17.5
June				
5...	0830	314	307	20.5
July				
18...	0810	82	359	23.0
Aug.				
6...	0800	85	342	18.5
Sep.				
17...	2000	131	321	24.0
06799500 - LOGAN CREEK NEAR UEHLING, NEBR. (LAT 41 42 50 LONG 096 31 15)				
Sep., 1973				
4...	1200	88	659	21.0
25...	1030	87	768	10.0
Nov.				
6...	--	83	748	2.5
29...	1255	104	806	3.5
Jan.				
10...	1600	79	806	0.5
Mar.				
12...	1130	115	743	4.5
Apr.				
3...	--	113	691	--
25...	1545	91	668	19.0
May				
15...	1245	98	714	12.0
June				
10...	1540	898	342	16.5
July				
24...	1245	50	662	30.0
Aug.				
6...	1145	48	651	--
Sep.				
17...	--	62	708	22.0

WATER QUALITY DATA NOVEMBER 1972 TO SEPTEMBER 1974

KANSAS RIVER BASIN

06835000 - STINKING WATER CREEK NEAR PALISADE, NEBR. (LAT 40 22 10 LONG 101 06 50)

DATE	TIME	DIS-CHARGE (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)
Feb., 1974				
26...	1100	48	414	3.0
Apr.				
8...	1230	55	438	9.0
May				
6...	1130	40	435	16.0
July				
1...	1350	34	415	22.0
Aug.				
12...	1345	27	410	22.0
Sep.				
23...	1300	23	402	15.0

06879900 - BIG BLUE RIVER AT SURPRISE, NEBR. (LAT 41 06 05 LONG 097 18 35)

DATE	TIME	DIS-CHARGE (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)
Sep., 1973				
13...	1010	1.7	294	17.5
Oct.				
3...	1100	29	175	17.5
24...	1045	5.1	201	13.5
Nov.				
14...	1410	1.7	368	9.0
Jan., 1974				
14...	1415	.91	612	0.5
Feb.				
28...	1710	7.7	169	1.5
Apr.				
12...	1300	3.7	466	10.0
May				
21...	1230	163	88	22.0
June				
12...	--	80	78	17.0
July				
26...	1250	5.5	530	25.5

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

(Local identifier: indicates location by township, range, and section. Geologic unit: 110 SDGV, Quaternary sand and gravel deposits; 110 WDBS, Quaternary windblown sand deposits; 112 SDGV, Pleistocene sand and gravel deposits; 112 SDHL, Pleistocene sandhills deposits; 121 OGLL, Ogallala formation; 122 ARKR, Arikaree group; 123 BRUL, Brule formation; 123 CDRNB, Chadron formation basal sand and gravel; 211 DKOT, Dakota formation; 211 FXHL, Fox Hills sandstone; 211 LNCE, Lance formation)

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)
ADAMS COUNTY										
7N 9W11DC 1	40 35 03	098 18 13	01	112SDGV	200	74-02-15	29	40	8	100
8N 12W34BC 3	40 37 10	098 39 51	03	112SDGV	200	74-02-15	33	20	17	36
ARTHUR COUNTY										
20N 39W35ACB 1	41 39 53	101 46 50	01	112SDHL	--	74-08-21	57	20	20	45
BANNER COUNTY										
18N 58W29AADA1	41 30 25	104 01 29	01	122ARKR	260	74-06-13	56	20	0	49
19N 54W15BBB 1	41 37 32	103 32 26	01	112SDGV	50	74-06-13	59	20	0	39
19N 55W33BBB 1	41 34 49	103 40 25	01	211LNCE	870	74-05-30	13	190	0	4.3
20N 58W35CBDD1	41 39 29	103 58 52	01	123BRUL	103	74-05-09	58	30	0	37
BLAINE COUNTY										
22N 24W33CDAD1	41 49 45	100 06 07	01	121OGLL	105	74-07-17	60	100	0	20
24N 24W 4ADC 1	42 04 50	100 40 00	01	121OGLL	70	74-07-17	66	30	0	23
BOONE COUNTY										
21N 8W21DDDC1	41 46 15	098 14 25	01	112SDGV	285	74-06-17	22	40	0	55
BUFFALO COUNTY										
8N 16W 2AC 1	40 41 38	099 05 30	01	112SDGV	47	73-11-08	--	--	--	--
				112SDGV	47	73-12-12	--	--	--	--
				112SDGV	47	74-01-16	--	--	--	--
				112SDGV	47	74-02-11	--	--	--	--
				112SDGV	47	74-03-22	--	--	--	--
				112SDGV	47	74-04-25	--	--	--	--
				112SDGV	47	74-05-22	--	--	--	--
				112SDGV	47	74-06-27	42	--	--	110
				112SDGV	47	74-07-18	--	--	--	--
				112SDGV	47	74-08-30	--	--	--	--
				112SDGV	47	74-09-17	--	10	0	--
8N 16W 2DC 1	40 41 12	099 05 30	01	112SDGV	50	73-11-07	--	--	--	--
				112SDGV	50	73-12-12	--	--	--	--
				112SDGV	50	74-01-16	--	--	--	--
				112SDGV	50	74-02-11	--	--	--	--
				112SDGV	50	74-03-22	--	--	--	--
				112SDGV	50	74-04-25	--	--	--	--
				112SDGV	50	74-05-22	--	--	--	--
				112SDGV	50	74-06-27	39	--	--	110
				112SDGV	50	74-07-18	--	--	--	--
				112SDGV	50	74-08-30	--	--	--	--
				112SDGV	50	74-09-17	--	10	0	--
9N 14W13DB 1	40 44 46	098 50 36	01	112SDGV	55	73-11-07	--	--	--	--
				112SDGV	55	73-12-12	--	--	--	--
				112SDGV	55	74-01-16	--	--	--	--
				112SDGV	55	74-02-11	--	--	--	--
				112SDGV	55	74-03-21	--	--	--	--
				112SDGV	55	74-04-23	--	--	--	--
				112SDGV	55	74-05-22	--	--	--	--
				112SDGV	55	74-06-25	38	--	--	160
				112SDGV	55	74-07-17	--	--	--	--
				112SDGV	55	74-08-30	--	--	--	--
				112SDGV	55	74-09-18	--	0	0	--
9N 14W18CCBC1	40 44 43	098 56 56	01	112SDGV	60	74-03-21	--	--	--	--
				112SDGV	60	74-06-25	44	--	--	180
				112SDGV	60	74-09-17	--	90	0	--
9N 15W13DBBA1	40 44 59	098 57 26	01	112SDGV	35	73-12-13	--	--	--	--
				112SDGV	35	74-01-16	--	--	--	--
				112SDGV	35	74-02-12	--	--	--	--
				112SDGV	35	74-03-20	--	--	--	--
				112SDGV	35	74-04-24	--	--	--	--
				112SDGV	35	74-05-22	--	--	--	--
				112SDGV	35	74-06-25	40	--	--	300
				112SDGV	35	74-07-18	--	--	--	--
				112SDGV	35	74-08-30	--	--	--	--
				112SDGV	35	74-09-17	--	--	--	--
9N 15W31CBC 1	40 42 12	099 03 51	01	112SDGV	62	73-12-13	--	--	--	--
				112SDGV	62	74-01-16	--	--	--	--
				112SDGV	62	74-02-11	--	--	--	--
				112SDGV	62	74-03-22	--	--	--	--
				112SDGV	62	74-04-25	--	--	--	--
				112SDGV	62	74-05-22	--	--	--	--
				112SDGV	62	74-06-27	40	--	--	130
				112SDGV	62	74-07-18	--	--	--	--
				112SDGV	62	74-08-30	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	TOTAL ORGANIC NITRO- GEN (N) (MG/L) (00605)
ADAMS COUNTY										
7N 9W11DC 1	74-02-15	15	61	9.5	214	0	78	120	.5	--
8N 12W34BC 3	74-02-15	5.8	9.2	5.8	137	0	17	2.5	.7	--
ARTHUR COUNTY										
20N 39W35ACB 1	74-08-21	4.6	12	19	99	0	17	19	.3	--
BANNER COUNTY										
18N 58W29AADA1	74-06-13	9.1	7.5	4.6	189	0	8.9	5.8	.3	--
19N 54W15BBB 1	74-06-13	8.1	44	6.1	218	0	22	11	.6	--
19N 55W33BBB 1	74-05-30	1.1	490	5.3	886	0	4.4	250	1.5	--
20N 58W35CBDD1	74-05-09	9.8	24	4.3	185	0	14	4.3	.5	--
BLAINE COUNTY										
22N 24W33CDAD1	74-07-17	2.0	5.1	4.9	84	0	4.6	2.3	.3	--
24N 24W 4ADC 1	74-07-17	2.1	4.1	5.2	91	0	2.9	1.0	.5	--
BOONE COUNTY										
21N 8W21DDDC1	74-06-17	8.9	8.4	6.7	234	0	4.1	.9	.5	--
BUFFALO COUNTY										
8N 16W 2AC 1	73-11-08	--	--	--	--	--	--	--	--	--
	73-12-12	--	--	--	--	--	--	31	--	--
	74-01-16	--	--	--	--	--	--	30	--	--
	74-02-11	--	--	--	--	--	--	31	--	--
	74-03-22	--	--	--	--	--	--	32	--	--
	74-04-25	--	--	--	--	--	--	31	--	--
	74-05-22	--	--	--	--	--	--	33	--	--
	74-06-27	27	83	23	338	0	230	34	.5	1.1
	74-07-18	--	--	--	--	--	--	33	--	--
	74-08-30	--	--	--	--	--	--	35	--	--
	74-09-17	--	--	--	--	--	--	35	--	--
8N 16W 2DC 1	73-11-07	--	--	--	--	--	--	--	--	--
	73-12-12	--	--	--	--	--	--	28	--	--
	74-01-16	--	--	--	--	--	--	31	--	--
	74-02-11	--	--	--	--	--	--	27	--	--
	74-03-22	--	--	--	--	--	--	30	--	--
	74-04-25	--	--	--	--	--	--	28	--	--
	74-05-22	--	--	--	--	--	--	28	--	--
	74-06-27	32	110	18	385	0	270	30	.7	.45
	74-07-18	--	--	--	--	--	--	24	--	--
	74-08-30	--	--	--	--	--	--	30	--	--
	74-09-17	--	--	--	--	--	--	33	--	--
9N 14W13DB 1	73-11-07	--	--	--	--	--	--	--	--	--
	73-12-12	--	--	--	--	--	--	74	--	--
	74-01-16	--	--	--	--	--	--	74	--	--
	74-02-11	--	--	--	--	--	--	72	--	--
	74-03-21	--	--	--	--	--	--	70	--	--
	74-04-23	--	--	--	--	--	--	71	--	--
	74-05-22	--	--	--	--	--	--	69	--	--
	74-06-25	25	82	14	316	0	270	70	.3	.37
	74-07-17	--	--	--	--	--	--	74	--	--
	74-08-30	--	--	--	--	--	--	77	--	--
	74-09-18	--	--	--	--	--	--	76	--	--
9N 14W18CCBC1	74-03-21	--	--	--	--	--	--	80	--	--
	74-06-25	32	110	16	461	0	280	83	.3	.42
	74-09-17	--	--	--	--	--	--	83	--	--
9N 15W13DBBA1	73-12-13	--	--	--	--	--	--	225	--	--
	74-01-16	--	--	--	--	--	--	130	--	--
	74-02-12	--	--	--	--	--	--	178	--	--
	74-03-28	--	--	--	--	--	--	134	--	--
	74-04-24	--	--	--	--	--	--	133	--	--
	74-05-22	--	--	--	--	--	--	163	--	--
	74-06-25	69	220	35	601	0	430	260	.2	1.8
	74-07-18	--	--	--	--	--	--	228	--	--
	74-08-30	--	--	--	--	--	--	240	--	--
	74-09-17	--	--	--	--	--	--	190	--	--
9N 15W31CBC 1	73-12-13	--	--	--	--	--	--	37	--	--
	74-01-16	--	--	--	--	--	--	53	--	--
	74-02-11	--	--	--	--	--	--	35	--	--
	74-03-22	--	--	--	--	--	--	42	--	--
	74-04-25	--	--	--	--	--	--	38	--	--
	74-05-22	--	--	--	--	--	--	41	--	--
	74-06-27	26	81	15	347	0	230	42	.3	.39
	74-07-18	--	--	--	--	--	--	44	--	--
	74-08-30	--	--	--	--	--	--	44	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	AMMONIA NITRO-GEN (N) (MG/L) (00610)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRITE (N) (MG/L) (00615)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRATE (N) (MG/L) (00620)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)
ADAMS COUNTY										
7N 9W11DC 1	74-02-15	--	--	--	--	--	--	--	--	8.4
8N 12W34BC 3	74-02-15	--	--	--	--	--	--	--	--	1.2
ARTHUR COUNTY										
20N 39W35ACB 1	74-08-21	--	--	--	--	--	--	--	--	17
BANNER COUNTY										
18N 58W29AADA1	74-06-13	--	--	--	--	--	--	--	--	3.1
19N 54W15BBB 1	74-06-13	--	--	--	--	--	--	--	--	4.7
19N 55W33BBB 1	74-05-30	--	--	--	--	--	--	--	--	.02
20N 58W35CBDD1	74-05-09	--	--	--	--	--	--	--	--	3.3
BLAINE COUNTY										
22N 24W33CDAD1	74-07-17	--	--	--	--	--	--	--	--	.35
24N 24W 4ADC 1	74-07-17	--	--	--	--	--	--	--	--	.81
BOONE COUNTY										
21N 8W21DDDC1	74-06-17	--	--	--	--	--	--	--	--	.12
BUFFALO COUNTY										
8N 16W 2AC 1	73-11-08	--	--	--	--	--	--	--	--	--
	73-12-12	--	--	--	--	--	--	--	--	--
	74-01-16	.07	--	--	--	.04	--	8.0	--	--
	74-02-11	.01	--	--	--	.03	--	8.0	--	--
	74-03-22	.03	--	--	--	.00	--	9.5	--	--
	74-04-25	.07	--	--	--	.02	--	7.7	--	--
	74-05-22	.04	--	--	--	.01	--	7.5	--	--
	74-06-27	1.4	--	12	2.5	--	--	--	--	9.4
	74-07-18	.09	--	--	--	.00	--	8.0	--	--
	74-08-30	.03	--	--	--	.01	--	8.1	--	--
	74-09-17	.06	--	--	--	.01	--	8.5	--	--
8N 16W 2DC 1	73-11-07	--	--	--	--	--	--	--	--	--
	73-12-12	--	--	--	--	--	--	--	--	--
	74-01-16	.06	--	--	--	.00	--	9.0	--	--
	74-02-11	.05	--	--	--	.02	--	7.0	--	--
	74-03-22	.04	--	--	--	.00	--	9.9	--	--
	74-04-25	.07	--	--	--	.04	--	8.9	--	--
	74-05-22	.08	--	--	--	.02	--	8.2	--	--
	74-06-27	.02	--	9.0	.47	--	--	--	--	8.0
	74-07-18	.00	--	--	--	.00	--	8.5	--	--
	74-08-30	.02	--	--	--	.00	--	7.7	--	--
	74-09-17	.01	--	--	--	.00	--	9.3	--	--
9N 14W13DB 1	73-11-07	--	--	--	--	--	--	--	--	--
	73-12-12	--	--	--	--	--	--	--	--	--
	74-01-16	.07	--	--	--	.24	--	12	--	--
	74-02-11	.03	--	--	--	.00	--	13	--	--
	74-03-21	.05	--	--	--	.00	--	14	--	--
	74-04-23	.09	--	--	--	.04	--	14	--	--
	74-05-22	.08	--	--	--	.01	--	13	--	--
	74-06-25	.03	--	15	.40	--	--	--	--	14
	74-07-17	.05	--	--	--	.00	--	15	--	--
	74-08-30	.03	--	--	--	.01	--	14	--	--
	74-09-18	.01	--	--	--	.00	--	14	--	--
9N 14W18CCBC1	74-03-21	.05	--	--	--	.00	--	14	--	--
	74-06-25	.13	--	14	.55	--	--	--	--	13
	74-09-17	.01	--	--	--	.00	--	14	--	--
9N 15W13DBBA1	73-12-13	--	--	--	--	--	--	--	--	--
	74-01-16	.74	--	--	--	.03	--	29	--	--
	74-02-12	1.4	--	--	--	.70	--	54	--	--
	74-03-20	.67	.64	--	--	.57	.50	28	28	28
	74-04-24	.48	.49	--	--	.47	.48	30	29	29
	74-05-22	.42	--	--	--	.45	--	50	--	--
	74-06-25	1.1	--	78	2.9	--	--	--	--	71
	74-07-18	.72	--	--	--	.27	--	60	--	--
	74-08-30	3.9	--	--	--	.32	--	56	--	--
	74-09-17	.97	--	--	--	.07	--	42	--	--
9N 15W31CBC 1	73-12-13	--	--	--	--	--	--	--	--	--
	74-01-16	.07	--	--	--	.00	--	8.1	--	--
	74-02-11	.04	--	--	--	.02	--	5.7	--	--
	74-03-22	.06	--	--	--	.00	--	7.2	--	--
	74-04-25	.07	--	--	--	.03	--	8.0	--	--
	74-05-22	.02	.02	--	--	.00	--	8.0	--	--
	74-06-27	.00	--	7.4	.39	--	--	--	--	6.8
	74-07-18	.01	--	--	--	.00	--	7.4	--	--
	74-08-30	.03	--	--	--	.00	--	6.2	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	HARD-NESS (CA+MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
ADAMS COUNTY										
7N 9W11DC 1	74-02-15	--	.17	70	--	556	310	140	1.5	941
8N 12W34BC 3	74-02-15	--	.22	20	--	183	110	1	.4	273
ARTHUR COUNTY										
20N 39W35ACB 1	74-08-21	--	1.2	50	--	298	130	50	.5	404
BANNER COUNTY										
18N 58W29AADA1	74-06-13	--	--	30	--	247	160	5	.3	353
19N 54W15BBB 1	74-06-13	--	--	110	--	318	130	0	1.7	450
19N 55W33BBB 1	74-05-30	--	.03	3900	--	1210	16	0	55	2040
20N 58W35CBDD1	74-05-09	--	.02	60	--	259	130	0	.9	356
BLAINE COUNTY										
22N 24W33CDAD1	74-07-17	--	.24	20	--	142	58	0	.3	154
24N 24W 4ADC 1	74-07-17	--	.06	20	--	153	66	0	.2	162
BOONE COUNTY										
21N 8W21DDDC1	74-06-17	--	--	40	--	222	170	0	.3	381
BUFFALO COUNTY										
8N 16W 2AC 1	73-11-08	--	--	--	--	--	--	--	--	1110
	73-12-12	--	--	--	--	--	--	--	--	1120
	74-01-16	--	--	--	--	--	--	--	--	1100
	74-02-11	--	--	--	--	--	--	--	--	1080
	74-03-22	--	--	--	--	--	--	--	--	1120
	74-04-25	--	--	--	--	--	--	--	--	1070
	74-05-22	--	--	--	--	--	--	--	--	1000
	74-06-27	.41	.15	240	762	758	390	110	1.8	1120
	74-07-18	--	--	--	--	--	--	--	--	1060
	74-08-30	--	--	--	--	--	--	--	--	1090
	74-09-17	--	--	--	--	--	--	--	--	1100
8N 16W 2DC 1	73-11-07	--	--	--	--	--	--	--	--	1220
	73-12-12	--	--	--	--	--	--	--	--	1800
	74-01-16	--	--	--	--	--	--	--	--	1180
	74-02-11	--	--	--	--	--	--	--	--	1100
	74-03-22	--	--	--	--	--	--	--	--	1260
	74-04-25	--	--	--	--	--	--	--	--	1150
	74-05-22	--	--	--	--	--	--	--	--	1130
	74-06-27	.10	.10	180	835	835	410	91	2.4	1200
	74-07-18	--	--	--	--	--	--	--	--	1170
	74-08-30	--	--	--	--	--	--	--	--	1200
	74-09-17	--	--	--	--	--	--	--	--	1250
9N 14W13DB 1	73-11-07	--	--	--	--	--	--	--	--	1320
	73-12-12	--	--	--	--	--	--	--	--	1290
	74-01-16	--	--	--	--	--	--	--	--	1270
	74-02-11	--	--	--	--	--	--	--	--	1270
	74-03-21	--	--	--	--	--	--	--	--	1260
	74-04-23	--	--	--	--	--	--	--	--	1280
	74-05-22	--	--	--	--	--	--	--	--	1260
	74-06-25	.15	.15	230	904	877	500	240	1.6	1300
	74-07-17	--	--	--	--	--	--	--	--	1320
	74-08-30	--	--	--	--	--	--	--	--	1340
	74-09-18	--	--	--	--	--	--	--	--	1340
9N 14W18CCBC1	74-03-21	--	--	--	--	--	--	--	--	1460
	74-06-25	.15	.14	170	1060	1030	580	200	2.0	1540
	74-09-17	--	--	--	--	--	--	--	--	1450
9N 15W13DBBA1	73-12-13	--	--	--	--	--	--	--	--	2650
	74-01-16	--	--	--	--	--	--	--	--	1930
	74-02-12	--	--	--	--	--	--	--	--	2320
	74-03-20	--	--	--	--	--	--	--	--	1990
	74-04-24	--	--	--	--	--	--	--	--	2000
	74-05-22	--	--	--	--	--	--	--	--	2150
	74-06-25	1.6	.07	390	2010	1970	1000	540	3.0	3170
	74-07-18	--	--	--	--	--	--	--	--	2660
	74-08-30	--	--	--	--	--	--	--	--	2650
	74-09-17	--	--	--	--	--	--	--	--	2360
9N 15W31CBC 1	73-12-13	--	--	--	--	--	--	--	--	1060
	74-01-16	--	--	--	--	--	--	--	--	1160
	74-02-11	--	--	--	--	--	--	--	--	989
	74-03-22	--	--	--	--	--	--	--	--	1120
	74-04-25	--	--	--	--	--	--	--	--	1170
	74-05-22	--	--	--	--	--	--	--	--	1120
	74-06-27	.10	.06	440	774	766	430	150	1.7	1140
	74-07-18	--	--	--	--	--	--	--	--	1110
	74-08-30	--	--	--	--	--	--	--	--	1130

LOCAL IDENT- I- FIER	DATE OF SAMPLE	PH (UNITS) (00400)	COLOR (PLAT- INUM- ·COBALT UNITS) (00080)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (BE) (UG/L) (01010)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COBALT (CO) (UG/L) (01035)
ADAMS COUNTY										
7N 9W11DC 1	74-02-15	7.2	3	--	--	--	--	--	--	--
8N 12W34BC 3	74-02-15	7.3	5	--	--	--	--	--	--	--
ARTHUR COUNTY										
20N 39W35ACB 1	74-08-21	--	5	--	--	--	--	--	--	--
BANNER COUNTY										
18N 58W29AADA1	74-06-13	7.8	1	--	--	--	--	--	--	--
19N 54W15BBB 1	74-06-13	7.9	2	--	--	--	--	--	--	--
19N 55W33BBB 1	74-05-30	8.0	7	0	2	0	0	0	0	0
20N 58W35CBDD1	74-05-09	7.4	2	0	6	0	0	0	10	0
BLAINE COUNTY										
22N 24W33CDAD1	74-07-17	--	1	0	7	0	0	0	0	0
24N 24W 4ADC 1	74-07-17	--	1	--	--	--	--	--	--	--
BOONE COUNTY										
21N 8W21DDDC1	74-06-17	7.7	2	--	--	--	--	--	--	--
BUFFALO COUNTY										
8N 16W 2AC 1	73-11-08	--	--	--	--	--	--	--	--	--
	73-12-12	--	--	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--	--	--
	74-02-11	--	--	--	--	--	--	--	--	--
	74-03-22	--	--	--	--	--	--	--	--	--
	74-04-25	--	--	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--	--	--
	74-06-27	7.5	1	--	--	--	--	--	--	--
	74-07-18	--	--	--	--	--	--	--	--	--
	74-08-30	--	--	--	--	--	--	--	--	--
	74-09-17	--	--	0	5	0	0	0	0	0
8N 16W 2DC 1	73-11-07	--	--	--	--	--	--	--	--	--
	73-12-12	--	--	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--	--	--
	74-02-11	--	--	--	--	--	--	--	--	--
	74-03-22	--	--	--	--	--	--	--	--	--
	74-04-25	--	--	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--	--	--
	74-06-27	7.6	1	--	--	--	--	--	--	--
	74-07-18	--	--	--	--	--	--	--	--	--
	74-08-30	--	--	--	--	--	--	--	--	--
	74-09-17	--	--	0	3	0	0	0	0	0
9N 14W13DB 1	73-11-07	--	--	--	--	--	--	--	--	--
	73-12-12	--	--	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--	--	--
	74-02-11	--	--	--	--	--	--	--	--	--
	74-03-21	--	--	--	--	--	--	--	--	--
	74-04-23	--	--	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--	--	--
	74-06-25	7.5	2	--	--	--	--	--	--	--
	74-07-17	--	--	--	--	--	--	--	--	--
	74-08-30	--	--	--	--	--	--	--	--	--
	74-09-18	--	--	0	2	0	0	0	0	0
9N 14W18CCBC1	74-03-21	--	--	--	--	--	--	--	--	--
	74-06-25	7.6	2	--	--	--	--	--	--	--
	74-09-17	--	--	0	2	100	0	1	0	0
9N 15W13DBBA1	73-12-13	--	--	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--	--	--
	74-02-12	--	--	--	--	--	--	--	--	--
	74-03-20	--	--	--	--	--	--	--	--	--
	74-04-24	--	--	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--	--	--
	74-06-25	7.4	3	--	--	--	--	--	--	--
	74-07-18	--	--	--	--	--	--	--	--	--
	74-08-30	--	--	--	--	--	--	--	--	--
	74-09-17	--	--	--	--	--	--	--	--	--
9N 15W31CBC 1	73-12-13	--	--	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--	--	--
	74-02-11	--	--	--	--	--	--	--	--	--
	74-03-22	--	--	--	--	--	--	--	--	--
	74-04-25	--	--	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--	--	--
	74-06-27	7.5	2	--	--	--	--	--	--	--
	74-07-18	--	--	--	--	--	--	--	--	--
	74-08-30	--	--	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED LITHIUM (LI) (UG/L) (01130)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED MOLYB- DENUM (MO) (UG/L) (01060)	DIS- SOLVED NICKEL (NI) (UG/L) (01065)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)
ADAMS COUNTY								
7N 9W11DC 1	74-02-15	17	--	--	--	--	--	--
8N 12W34BC 3	74-02-15	11	--	--	--	--	--	--
ARTHUR COUNTY								
20N 39W35ACB 1	74-08-21	--	--	--	--	--	--	1
BANNER COUNTY								
18N 58W29AADA1	74-06-13	--	--	--	--	--	--	2
19N 54W15BBB 1	74-06-13	--	--	--	--	--	--	3
19N 55W33BBB 1	74-05-30	6	2	50	.0	10	5	0
20N 58W35CBDD1	74-05-09	2	0	10	.0	2	0	8
BLAINE COUNTY								
22N 24W33CDAD1	74-07-17	0	0	0	.0	0	0	0
24N 24W 4ADC 1	74-07-17	--	--	--	--	--	--	0
BOONE COUNTY								
21N 8W21DDDC1	74-06-17	--	--	--	--	--	--	4
BUFFALO COUNTY								
8N 16W 2AC 1	73-11-08	--	--	--	--	--	--	--
	73-12-12	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--
	74-02-11	--	--	--	--	--	--	--
	74-03-22	--	--	--	--	--	--	--
	74-04-25	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--
	74-06-27	--	--	--	--	--	--	--
	74-07-18	--	--	--	--	--	--	--
	74-08-30	--	--	--	--	--	--	--
	74-09-17	3	0	25	.0	2	1	--
8N 16W 2DC 1	73-11-07	--	--	--	--	--	--	--
	73-12-12	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--
	74-02-11	--	--	--	--	--	--	--
	74-03-22	--	--	--	--	--	--	--
	74-04-25	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--
	74-06-27	--	--	--	--	--	--	--
	74-07-18	--	--	--	--	--	--	--
	74-08-30	--	--	--	--	--	--	--
	74-09-17	5	4	38	.0	4	2	--
9N 14W13DB 1	73-11-07	--	--	--	--	--	--	--
	73-12-12	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--
	74-02-11	--	--	--	--	--	--	--
	74-03-21	--	--	--	--	--	--	--
	74-04-23	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--
	74-07-17	--	--	--	--	--	--	--
	74-08-30	--	--	--	--	--	--	--
	74-09-18	32	2	25	.0	3	2	--
9N 14W18CCBC1	74-03-21	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--
	74-09-17	34	2	38	.3	3	2	--
9N 15W13DBBA1	73-12-13	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--
	74-02-12	--	--	--	--	--	--	--
	74-03-20	--	--	--	--	--	--	--
	74-04-24	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--
	74-07-18	--	--	--	--	--	--	--
	74-08-30	--	--	--	--	--	--	--
	74-09-17	--	--	--	--	--	--	--
9N 15W31CBC 1	73-12-13	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--
	74-02-11	--	--	--	--	--	--	--
	74-03-22	--	--	--	--	--	--	--
	74-04-25	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--
	74-06-27	--	--	--	--	--	--	--
	74-07-18	--	--	--	--	--	--	--
	74-08-30	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED STHON- TIUM (SR) (UG/L) (01080)	DIS- SOLVED VANA- DIUM (V) (UG/L) (01085)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
ADAMS COUNTY				
7N 9W11DC 1	74-02-15	--	--	70
8N 12W34BC 3	74-02-15	--	--	40
ARTHUR COUNTY				
20N 39W35ACB 1	74-08-21	--	--	--
BANNER COUNTY				
18N 58W29AADA1	74-06-13	--	--	--
19N 54W15BBB 1	74-06-13	--	--	--
19N 55W33BBB 1	74-05-30	220	3.5	50
20N 58W35CBDD1	74-05-09	720	8.6	80
BLAINE COUNTY				
22N 24W33CDAD1	74-07-17	90	11	50
24N 24W 4ADC 1	74-07-17	--	--	--
BOONE COUNTY				
21N 8W21DDDC1	74-06-17	--	--	--
BUFFALO COUNTY				
8N 16W 2AC 1	73-11-08	--	--	--
	73-12-12	--	--	--
	74-01-16	--	--	--
	74-02-11	--	--	--
	74-03-22	--	--	--
	74-04-25	--	--	--
	74-05-22	--	--	--
	74-06-27	--	--	--
	74-07-18	--	--	--
	74-08-30	--	--	--
	74-09-17	630	6.7	10
8N 16W 2DC 1	73-11-07	--	--	--
	73-12-12	--	--	--
	74-01-16	--	--	--
	74-02-11	--	--	--
	74-03-22	--	--	--
	74-04-25	--	--	--
	74-05-22	--	--	--
	74-06-27	--	--	--
	74-07-18	--	--	--
	74-08-30	--	--	--
	74-09-17	730	1.0	10
9N 14W13DB 1	73-11-07	--	--	--
	73-12-12	--	--	--
	74-01-16	--	--	--
	74-02-11	--	--	--
	74-03-21	--	--	--
	74-04-23	--	--	--
	74-05-22	--	--	--
	74-06-25	--	--	--
	74-07-17	--	--	--
	74-08-30	--	--	--
	74-09-18	810	4.3	20
9N 14W18CCBC1	74-03-21	--	--	--
	74-06-25	--	--	--
	74-09-17	910	8.0	80
9N 15W13DBBA1	73-12-13	--	--	--
	74-01-16	--	--	--
	74-02-12	--	--	--
	74-03-20	--	--	--
	74-04-24	--	--	--
	74-05-22	--	--	--
	74-06-25	--	--	--
	74-07-18	--	--	--
	74-08-30	--	--	--
	74-09-17	--	--	--
9N 15W31CBC 1	73-12-13	--	--	--
	74-01-16	--	--	--
	74-02-11	--	--	--
	74-03-22	--	--	--
	74-04-25	--	--	--
	74-05-22	--	--	--
	74-06-27	--	--	--
	74-07-18	--	--	--
	74-08-30	--	--	--

LOCAL IDENT- I- FIER	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	GEO- LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS- SOLVED SILICA (SIO2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)
BUFFALO COUNTY										
9N 15W31CBC 1	40 42 12	099 03 51	01	112SDGV	62	74-09-17	--	10	0	--
9N 15W31CD 1	40 42 05	099 03 26	01	112SDGV	60	73-11-07	--	--	--	--
				112SDGV	60	74-04-25	--	--	--	--
				112SDGV	60	74-05-22	--	--	--	--
				112SDGV	60	74-06-27	37	--	--	120
				112SDGV	60	74-07-18	--	--	--	--
				112SDGV	60	74-08-30	--	--	--	--
				112SDGV	60	74-09-17	--	10	0	--
9N 18W28AA 1	40 43 34	099 22 16	01	112SDGV	117	73-11-06	--	--	--	--
				112SDGV	117	73-12-14	--	--	--	--
				112SDGV	117	74-01-17	--	--	--	--
9N 18W28ADC 1	40 43 26	099 22 20	01	121OGLL	320	74-02-11	--	--	--	--
				121OGLL	320	74-03-22	--	--	--	--
				121OGLL	320	74-04-24	--	--	--	--
				121OGLL	320	74-05-22	--	--	--	--
				121OGLL	320	74-06-26	66	--	--	87
				121OGLL	320	74-07-17	--	--	--	--
				121OGLL	320	74-08-29	--	--	--	--
				121OGLL	320	74-09-17	--	20	0	--
10N 16W18DD 1	40 49 48	099 12 14	01	--	--	74-05-15	--	--	--	--
CHASE COUNTY										
5N 38W32DAB 1	40 21 22	101 39 01	01	121OGLL	315	74-06-25	66	30	10	51
5N 40W28CDA 1	40 22 04	101 52 08	01	121OGLL	300	74-06-25	70	20	0	39
6N 38W23ADC 1	40 28 30	101 35 40	01	121OGLL	303	74-06-18	54	20	0	39
6N 39W19DBC 1	40 28 12	101 47 18	01	121OGLL	--	74-06-21	58	30	0	42
6N 41W17BBD 1	40 29 25	102 00 13	01	121OGLL	341	74-06-21	53	30	0	34
7N 36W25BDC 1	40 32 44	101 21 31	01	121OGLL	191	74-06-25	57	10	0	45
7N 37W 3ACCA1	40 36 21	101 30 04	01	121OGLL	240	74-06-25	59	30	0	44
7N 39W21CAB 1	40 33 32	101 45 13	01	121OGLL	340	74-06-21	50	20	0	37
7N 41W15ACA 1	40 34 37	101 57 18	01	121OGLL	293	74-06-21	47	30	0	42
8N 39W 7CBCC1	40 40 23	101 47 47	01	121OGLL	310	74-06-25	56	10	0	35
CHERRY COUNTY										
25N 38W15ADD 1	42 08 43	101 43 33	01	112SDML	--	74-08-22	59	60	30	26
26N 28W24BCB 1	42 12 52	100 32 05	01	112SDML	40	74-08-20	67	20	0	8.6
27N 32W 9DAA 1	42 19 45	101 02 35	01	112SDML	70	74-08-20	58	20	30	12
27N 36W32ADD 1	42 16 32	101 32 00	01	112SDML	--	74-08-22	63	20	0	33
CHEYENNE COUNTY										
12N 50W10DCC 1	41 01 16	103 00 36	01	121OGLL	153	74-06-17	54	50	0	41
13N 47W32AD 1	41 03 30	102 43 38	01	121OGLL	280	74-06-17	47	160	0	32
15N 46W18CCC 1	41 15 55	102 38 56	01	121OGLL	176	74-06-17	57	260	0	51
CLAY COUNTY										
6N 8W 8CB 3	40 30 01	098 15 29	03	112SDGV	192	74-02-15	28	40	0	45
7N 5W 2AA 1	40 36 34	097 50 43	01	112SDGV	215	74-02-19	33	20	0	66
8N 7W27DC 1	40 37 39	098 05 48	01	112SDGV	204	74-02-15	34	110	17	88
CUSTER COUNTY										
17N 23W10AADD1	41 27 48	099 56 38	01	112SDGV	380	74-07-18	53	20	0	45
18N 24W 7DAAB1	41 32 34	100 07 08	01	112SDGV	300	74-07-18	57	20	0	14
20N 23W23DCBC1	41 41 22	099 55 58	01	112SDML	53	74-07-17	67	20	20	20
DAWSON COUNTY										
9N 21W 8BB 1	40 46 16	099 44 45	01	--	58	74-01-17	--	--	--	--
				--	58	74-02-12	--	--	--	--
				112SDGV	58	74-03-22	--	--	--	--
				--	58	74-04-24	--	--	--	--
				--	58	74-05-22	--	--	--	--
				--	58	74-06-26	50	--	--	180
				--	58	74-07-17	--	--	--	--
				--	58	74-08-29	--	--	--	--
				--	58	74-09-17	--	40	0	--
9N 21W31BABB1	40 42 52	099 45 42	01	112SDGV	74	74-03-22	--	--	--	--
				112SDGV	74	74-06-26	48	--	--	65
				112SDGV	74	74-09-17	--	20	0	--
9N 21W32CBBC1	40 42 22	099 44 55	01	112SDGV	20	73-12-13	--	--	--	--
				112SDGV	20	74-01-17	--	--	--	--
				112SDGV	20	74-02-12	--	--	--	--
				112SDGV	20	74-03-22	--	--	--	--
				112SDGV	20	74-04-24	--	--	--	--
				112SDGV	20	74-05-22	--	--	--	--
				112SDGV	20	74-06-26	25	--	--	140

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	TOTAL ORGANIC NITRO- GEN (N) (MG/L) (00605)
BUFFALO COUNTY										
9N 15W31CBC 1	74-09-17	--	--	--	--	--	--	44	--	--
9N 15W31CD 1	73-11-07	--	--	--	--	--	--	--	--	--
	74-04-25	--	--	--	--	--	--	34	--	--
	74-05-22	--	--	--	--	--	--	37	--	--
	74-06-27	26	98	15	338	0	250	35	.3	.38
	74-07-18	--	--	--	--	--	--	38	--	--
	74-08-30	--	--	--	--	--	--	37	--	--
	74-09-17	--	--	--	--	--	--	38	--	--
9N 18W28AA 1	73-11-06	--	--	--	--	--	--	--	--	--
	73-12-14	--	--	--	--	--	--	18	--	--
	74-01-17	--	--	--	--	--	--	18	--	--
9N 18W28ADC 1	74-02-11	--	--	--	--	--	--	11	--	--
	74-03-22	--	--	--	--	--	--	11	--	--
	74-04-24	--	--	--	--	--	--	14	--	--
	74-05-22	--	--	--	--	--	--	11	--	--
	74-06-26	18	16	11	339	0	43	9.9	.2	.16
	74-07-17	--	--	--	--	--	--	11	--	--
	74-08-29	--	--	--	--	--	--	14	--	--
	74-09-17	--	--	--	--	--	--	9.9	--	--
10N 16W18DD 1	74-05-15	--	--	--	--	--	--	--	--	--
CHASE COUNTY										
5N 38W32DAB 1	74-06-25	13	12	11	197	0	18	20	.8	--
5N 40W28CDA 1	74-06-25	12	14	8.7	200	0	16	2.6	.8	--
6N 38W23ADC 1	74-06-18	11	12	7.8	186	0	12	3.5	.8	--
6N 39W19DBC 1	74-06-21	14	13	.5	200	0	17	2.3	.9	--
6N 41W17BBD 1	74-06-21	10	11	7.5	173	0	9.7	1.1	.9	--
7N 36W25BDC 1	74-06-25	11	11	9.4	206	0	10	3.4	.7	--
7N 37W 3ACCA1	74-06-25	9.5	6.8	8.4	191	0	6.9	1.5	.7	--
7N 39W21CAB 1	74-06-21	8.9	15	7.9	173	0	14	4.2	.8	--
7N 41W15ACA 1	74-06-21	8.4	15	7.5	173	0	14	4.5	.8	--
8N 39W 7CBCC1	74-06-25	8.9	16	8.2	179	0	12	4.4	.7	--
CHERRY COUNTY										
25N 38W15ADD 1	74-08-22	3.4	6.5	7.0	109	0	8.5	3.4	.2	--
26N 28W24BCB 1	74-08-20	1.5	3.4	5.1	36	0	5.9	.9	.3	--
27N 32W 9DAA 1	74-08-20	1.2	3.9	3.8	50	0	1.9	.8	.2	--
27N 36W32ADD 1	74-08-22	6.5	8.2	7.6	60	19	16	11	.2	--
CHEYENNE COUNTY										
12N 50W10DCC 1	74-06-17	11	25	6.6	181	0	23	11	.9	--
13N 47W32AD 1	74-06-17	7.0	8.7	5.7	128	0	8.6	2.4	.6	--
15N 46W18CCC 1	74-06-17	7.8	9.8	7.7	182	0	14	4.9	.5	--
CLAY COUNTY										
6N 8W 8CB 3	74-02-15	6.1	13	5.8	166	0	12	4.7	.7	--
7N 5W 2AA 1	74-02-19	9.9	22	6.2	237	0	35	16	.7	--
8N 7W27DC 1	74-02-15	15	25	7.5	223	0	120	14	.4	--
CUSTER COUNTY										
17N 23W10AADD1	74-07-18	6.7	5.6	5.9	176	0	6.6	1.6	.2	--
18N 24W 7DAAB1	74-07-18	1.6	4.2	4.2	67	0	2.4	1.0	.2	--
20N 23W23DCBC1	74-07-17	2.6	5.8	6.8	89	0	6.7	1.0	.2	--
DAWSON COUNTY										
9N 21W 8BB 1	74-01-17	--	--	--	--	--	--	8.9	--	--
	74-02-12	--	--	--	--	--	--	9.7	--	--
	74-03-22	--	--	--	--	--	--	12	--	--
	74-04-24	--	--	--	--	--	--	47	--	--
	74-05-22	--	--	--	--	--	--	51	--	--
	74-06-26	58	260	42	492	0	740	48	.6	.71
	74-07-17	--	--	--	--	--	--	44	--	--
	74-08-29	--	--	--	--	--	--	11	--	--
	74-09-17	--	--	--	--	--	--	36	--	--
9N 21W31BABB1	74-03-22	--	--	--	--	--	--	12	--	--
	74-06-26	13	40	8.3	248	0	86	12	.5	.02
	74-09-17	--	--	--	--	--	--	12	--	--
9N 21W32CBBC1	73-12-13	--	--	--	--	--	--	34	--	--
	74-01-17	--	--	--	--	--	--	44	--	--
	74-02-12	--	--	--	--	--	--	48	--	--
	74-03-22	--	--	--	--	--	--	42	--	--
	74-04-24	--	--	--	--	--	--	34	--	--
	74-05-22	--	--	--	--	--	--	37	--	--
	74-06-26	130	190	57	1320	0	9.7	36	.8	3.5

LOCAL IDENT- I- FIER	DATE OF SAMPLE	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	TOTAL NITRO- GEN (N) (MG/L) (00600)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL NITRITE (N) (MG/L) (00615)	DIS- SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRATE (N) (MG/L) (00620)	DIS- SOLVED NITRATE (N) (MG/L) (00618)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)
BUFFALO COUNTY										
9N 15W31CBC 1	74-09-17	.03	--	--	--	.02	--	7.4	--	--
9N 15W31CD 1	73-11-07	--	--	--	--	--	--	--	--	--
	74-04-25	.02	--	--	--	.00	.00	8.4	--	--
	74-05-22	.02	--	--	--	.04	--	8.4	--	--
	74-06-27	.02	--	12	.40	--	--	--	--	9.9
	74-07-18	.01	--	--	--	.00	--	11	--	--
	74-08-30	.02	--	--	--	.01	--	10	--	--
	74-09-17	.03	--	--	--	.00	--	11	--	--
9N 18W28AA 1	73-11-06	--	--	--	--	--	--	--	--	--
	73-12-14	--	--	--	--	--	--	--	--	--
	74-01-17	.03	--	--	--	.05	--	2.3	--	--
9N 18W28ADC 1	74-02-11	.00	--	--	--	.03	--	2.3	--	--
	74-03-22	.04	--	--	--	.01	--	2.4	--	--
	74-04-24	.17	--	--	--	.04	--	2.5	--	--
	74-05-22	.08	--	--	--	.01	--	2.2	--	--
	74-06-26	.01	--	.02	.17	--	--	--	--	2.2
	74-07-17	.04	--	--	--	.00	--	2.2	--	--
	74-08-29	.03	--	--	--	.01	--	2.4	--	--
	74-09-17	.01	--	--	--	.00	--	2.5	--	--
10N 16W18DD 1	74-05-15	.01	--	--	--	--	--	--	--	--
CHASE COUNTY										
5N 38W32DAB 1	74-06-25	--	--	--	--	--	--	--	--	3.4
5N 40W28CDA 1	74-06-25	--	--	--	--	--	--	--	--	2.1
6N 38W23ADC 1	74-06-18	--	--	--	--	--	--	--	--	.04
6N 39W19DBC 1	74-06-21	--	--	--	--	--	--	--	--	2.0
6N 41W17BBD 1	74-06-21	--	--	--	--	--	--	--	--	1.6
7N 36W25BDC 1	74-06-25	--	--	--	--	--	--	--	--	2.0
7N 37W 3ACCA1	74-06-25	--	--	--	--	--	--	--	--	1.7
7N 39W21CAB 1	74-06-21	--	--	--	--	--	--	--	--	1.9
7N 41W15ACA 1	74-06-21	--	--	--	--	--	--	--	--	2.0
8N 39W 7CBCC1	74-06-25	--	--	--	--	--	--	--	--	2.2
CHERRY COUNTY										
25N 38W15ADD 1	74-08-22	--	--	--	--	--	--	--	--	.02
26N 28W24BCB 1	74-08-20	--	--	--	--	--	--	--	--	2.0
27N 32W 9DAA 1	74-08-20	--	--	--	--	--	--	--	--	.56
27N 36W32ADD 1	74-08-22	--	--	--	--	--	--	--	--	11
CHEYENNE COUNTY										
12N 50W10DCC 1	74-06-17	--	--	--	--	--	--	--	--	4.3
13N 47W32AD 1	74-06-17	--	--	--	--	--	--	--	--	2.7
15N 46W18CCC 1	74-06-17	--	--	--	--	--	--	--	--	4.9
CLAY COUNTY										
6N 8W 8CB 3	74-02-15	--	--	--	--	--	--	--	--	1.7
7N 5W 2AA 1	74-02-19	--	--	--	--	--	--	--	--	.93
8N 7W27DC 1	74-02-15	--	--	--	--	--	--	--	--	.50
CUSTER COUNTY										
17N 23W10AADD1	74-07-18	--	--	--	--	--	--	--	--	2.3
18N 24W 7DAAB1	74-07-18	--	--	--	--	--	--	--	--	.33
20N 23W23DCBC1	74-07-17	--	--	--	--	--	--	--	--	.35
DAWSON COUNTY										
9N 21W 8BB 1	74-01-17	.03	--	--	--	.00	--	.70	--	--
	74-02-12	.04	--	--	--	.01	--	.70	--	--
	74-03-22	.03	--	--	--	.00	--	.95	--	--
	74-04-24	.09	--	--	--	.04	--	6.4	--	--
	74-05-22	.07	--	--	--	.01	--	5.1	--	--
	74-06-26	.05	--	8.0	.76	--	--	--	--	6.5
	74-07-17	.02	--	--	--	.00	--	5.7	--	--
	74-08-29	.01	--	--	--	.00	--	.61	--	--
	74-09-17	.01	--	--	--	.00	--	3.8	--	--
9N 21W31BABB1	74-03-22	.04	--	--	--	.01	--	1.2	--	--
	74-06-26	.04	--	.96	.06	--	--	--	--	.87
	74-09-17	.03	--	--	--	.00	--	.86	--	--
9N 21W32CBBC1	73-12-13	--	--	--	--	--	--	--	--	--
	74-01-17	.63	--	--	--	.00	--	.08	--	--
	74-02-12	.60	--	--	--	.01	--	.10	--	--
	74-03-22	1.6	1.4	--	--	.02	.02	.27	.05	.07
	74-04-24	1.5	1.6	--	--	.04	.01	.02	.03	.04
	74-05-22	1.3	--	--	--	.02	--	.04	--	--
	74-06-26	.49	--	4.3	4.0	--	--	--	--	.22

LOCAL IDENT-I-FIER	DATE OF SAMPLE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
BUFFALO COUNTY										
9N 15W31CBC 1	74-09-17	--	--	--	--	--	--	--	--	1140
9N 15W31CD 1	73-11-07	--	--	--	--	--	--	--	--	1160
	74-04-25	--	--	--	--	--	--	--	--	1180
	74-05-22	--	--	--	--	--	--	--	--	1160
	74-06-27	.12	.14	490	823	792	410	130	2.1	1180
	74-07-18	--	--	--	--	--	--	--	--	1150
	74-08-30	--	--	--	--	--	--	--	--	1160
	74-09-17	--	--	--	--	--	--	--	--	1170
9N 18W28AA 1	73-11-06	--	--	--	--	--	--	--	--	722
	73-12-14	--	--	--	--	--	--	--	--	728
	74-01-17	--	--	--	--	--	--	--	--	718
9N 18W28ADC 1	74-02-11	--	--	--	--	--	--	--	--	628
	74-03-22	--	--	--	--	--	--	--	--	625
	74-04-24	--	--	--	--	--	--	--	--	648
	74-05-22	--	--	--	--	--	--	--	--	623
	74-06-26	.06	.04	70	420	428	290	13	.4	635
	74-07-17	--	--	--	--	--	--	--	--	646
	74-08-29	--	--	--	--	--	--	--	--	662
	74-09-17	--	--	--	--	--	--	--	--	629
10N 16W18DD 1	74-05-15	--	--	--	--	--	--	--	--	--
CHASE COUNTY										
5N 38W32DAB 1	74-06-25	--	.02	50	--	304	180	19	.4	451
5N 40W28CDA 1	74-06-25	--	.05	60	--	271	150	0	.5	368
6N 38W23ADC 1	74-06-18	--	.02	70	--	232	140	0	.4	343
6N 39W19DBC 1	74-06-21	--	.05	60	--	255	160	0	.4	376
6N 41W17BBD 1	74-06-21	--	.05	50	--	220	130	0	.4	312
7N 36W25BDC 1	74-06-25	--	.05	50	--	258	160	0	.4	372
7N 37W 3ACCA1	74-06-25	--	.05	30	--	239	150	0	.2	332
7N 39W21CAB 1	74-06-21	--	.04	70	--	232	130	0	.6	333
7N 41W15ACA 1	74-06-21	--	.05	80	--	233	140	0	.6	336
8N 39W 7CBCC1	74-06-25	--	--	60	--	239	120	0	.6	338
CHERRY COUNTY										
25N 38W15ADD 1	74-08-22	--	.26	20	--	168	79	0	.3	197
26N 28W24BCB 1	74-08-20	--	.32	20	--	119	28	0	.3	90
27N 32W 9DAA 1	74-08-20	--	.15	10	--	109	35	0	.3	89
27N 36W32ADD 1	74-08-22	--	.31	30	--	243	110	28	.3	287
CHEYENNE COUNTY										
12N 50W10DCC 1	74-06-17	--	.04	80	--	281	150	0	.9	400
13N 47W32AD 1	74-06-17	--	.04	40	--	187	110	4	.4	252
15N 46W18CCC 1	74-06-17	--	.05	50	--	264	160	10	.3	368
CLAY COUNTY										
6N 8W 8CB 3	74-02-15	--	.21	30	--	205	140	1	.5	319
7N 5W 2AA 1	74-02-19	--	.17	70	--	310	210	11	.7	496
8N 7W27DC 1	74-02-15	--	.20	60	--	416	280	99	.6	663
CUSTER COUNTY										
17N 23W10AADD1	74-07-18	--	.10	30	--	222	140	0	.2	307
18N 24W 7DAAB1	74-07-18	--	.36	20	--	119	42	0	.3	116
20N 23W23DCBC1	74-07-17	--	.64	20	--	156	61	0	.3	162
DAWSON COUNTY										
9N 21W 8BB 1	74-01-17	--	--	--	--	--	--	--	--	569
	74-02-12	--	--	--	--	--	--	--	--	628
	74-03-22	--	--	--	--	--	--	--	--	692
	74-04-24	--	--	--	--	--	--	--	--	2090
	74-05-22	--	--	--	--	--	--	--	--	2230
	74-06-26	.15	.14	350	1720	1650	690	280	4.3	2260
	74-07-17	--	--	--	--	--	--	--	--	2170
	74-08-29	--	--	--	--	--	--	--	--	592
	74-09-17	--	--	--	--	--	--	--	--	1840
9N 21W31BABB1	74-03-22	--	--	--	--	--	--	--	--	578
	74-06-26	.08	.08	60	401	399	220	12	1.2	591
	74-09-17	--	--	--	--	--	--	--	--	584
9N 21W32CBBC1	73-12-13	--	--	--	--	--	--	--	--	1400
	74-01-17	--	--	--	--	--	--	--	--	1850
	74-02-12	--	--	--	--	--	--	--	--	1670
	74-03-22	--	--	--	--	--	--	--	--	2210
	74-04-24	--	--	--	--	--	--	--	--	2300
	74-05-22	--	--	--	--	--	--	--	--	2200
	74-06-26	.81	.20	590	1490	1240	880	0	2.8	1810

LOCAL IDENT-I-FIER	DATE OF SAMPLE	PH (UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)
BUFFALO COUNTY										
9N 15W31CBC 1	74-09-17	--	--	0	6	0	0	0	0	0
9N 15W31CD 1	73-11-07	--	--	--	--	--	--	--	--	--
	74-04-25	--	--	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--	--	--
	74-06-27	7.3	2	--	--	--	--	--	--	--
	74-07-18	--	--	--	--	--	--	--	--	--
	74-08-30	--	--	--	--	--	--	--	--	--
	74-09-17	--	--	0	2	0	0	0	0	0
9N 18W28AA 1	73-11-06	--	--	--	--	--	--	--	--	--
	73-12-14	--	--	--	--	--	--	--	--	--
	74-01-17	--	--	--	--	--	--	--	--	--
9N 18W28ADC 1	74-02-11	--	--	--	--	--	--	--	--	--
	74-03-22	--	--	--	--	--	--	--	--	--
	74-04-24	--	--	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--	--	--
	74-06-26	7.7	1	--	--	--	--	--	--	--
	74-07-17	--	--	--	--	--	--	--	--	--
	74-08-29	--	--	--	--	--	--	--	--	--
	74-09-17	--	--	20	5	0	0	0	0	0
10N 16W18DD 1	74-05-15	--	--	--	--	--	--	--	--	--
CHASE COUNTY										
5N 38W32DAB 1	74-06-25	--	1	--	--	--	--	--	--	--
5N 40W28CDA 1	74-06-25	--	1	--	--	--	--	--	--	--
6N 38W23ADC 1	74-06-18	--	3	--	--	--	--	--	--	--
6N 39W19DBC 1	74-06-21	--	1	--	--	--	--	--	--	--
6N 41W17BBD 1	74-06-21	--	1	0	11	200	0	0	0	0
7N 36W25BDC 1	74-06-25	--	1	--	--	--	--	--	--	--
7N 37W 3ACCA1	74-06-25	--	1	--	--	--	--	--	--	--
7N 39W21CAB 1	74-06-21	--	2	--	--	--	--	--	--	--
7N 41W15ACA 1	74-06-21	--	2	--	--	--	--	--	--	--
8N 39W 7CBCC1	74-06-25	--	1	--	--	--	--	--	--	--
CHERRY COUNTY										
25N 38W15ADD 1	74-08-22	--	2	--	--	--	--	--	--	--
26N 28W24BCB 1	74-08-20	--	1	--	--	--	--	--	--	--
27N 32W 9DAA 1	74-08-20	--	1	10	1	100	0	<1	0	0
27N 36W32ADD 1	74-08-22	--	2	--	--	--	--	--	--	--
CHEYENNE COUNTY										
12N 50W10DCC 1	74-06-17	--	1	--	--	--	--	--	--	--
13N 47W32AD 1	74-06-17	--	1	--	--	--	--	--	--	--
15N 46W18CCC 1	74-06-17	--	1	--	--	--	--	--	--	--
CLAY COUNTY										
6N 8W 8CB 3	74-02-15	7.5	5	--	--	--	--	--	--	--
7N 5W 2AA 1	74-02-19	7.3	2	--	--	--	--	--	--	--
8N 7W27DC 1	74-02-15	7.1	3	--	--	--	--	--	--	--
CUSTER COUNTY										
17N 23W10AADD1	74-07-18	--	2	--	--	--	--	--	--	--
18N 24W 7DAAB1	74-07-18	--	1	--	--	--	--	--	--	--
20N 23W23DCBC1	74-07-17	--	2	--	--	--	--	--	--	--
DAWSON COUNTY										
9N 21W 8BB 1	74-01-17	--	--	--	--	--	--	--	--	--
	74-02-12	--	--	--	--	--	--	--	--	--
	74-03-22	--	--	--	--	--	--	--	--	--
	74-04-24	--	--	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--	--	--
	74-06-26	7.6	4	--	--	--	--	--	--	--
	74-07-17	--	--	--	--	--	--	--	--	--
	74-08-29	--	--	--	--	--	--	--	--	--
	74-09-17	--	--	0	10	0	0	0	0	0
9N 21W31BABB1	74-03-22	--	--	--	--	--	--	--	--	--
	74-06-26	7.8	1	--	--	--	--	--	--	--
	74-09-17	--	--	0	2	0	0	0	0	0
9N 21W32CBBC1	73-12-13	--	--	--	--	--	--	--	--	--
	74-01-17	--	--	--	--	--	--	--	--	--
	74-02-12	--	--	--	--	--	--	--	--	--
	74-03-22	--	--	--	--	--	--	--	--	--
	74-04-24	--	--	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--	--	--
	74-06-26	7.4	40	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED LITHIUM (LI) (UG/L) (01130)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED MOLYB- DENUM (MO) (UG/L) (01060)	DIS- SOLVED NICKEL (NI) (UG/L) (01065)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)
BUFFALO COUNTY								
9N 15W31CBC 1	74-09-17	3	0	25	.0	2	3	--
9N 15W31CD 1	73-11-07	--	--	--	--	--	--	--
	74-04-25	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--
	74-06-27	--	--	--	--	--	--	--
	74-07-18	--	--	--	--	--	--	--
	74-08-30	--	--	--	--	--	--	--
	74-09-17	3	2	25	.0	1	2	--
9N 18W28AA 1	73-11-06	--	--	--	--	--	--	--
	73-12-14	--	--	--	--	--	--	--
	74-01-17	--	--	--	--	--	--	--
9N 18W28ADC 1	74-02-11	--	--	--	--	--	--	--
	74-03-22	--	--	--	--	--	--	--
	74-04-24	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--
	74-06-26	--	--	--	--	--	--	--
	74-07-17	--	--	--	--	--	--	--
	74-08-29	--	--	--	--	--	--	--
	74-09-17	50	3	25	.1	2	0	--
10N 16W18DD 1	74-05-15	--	--	--	--	--	--	--
CHASE COUNTY								
5N 38W32DAB 1	74-06-25	--	--	--	--	--	--	2
5N 40W28CDA 1	74-06-25	--	--	--	--	--	--	2
6N 38W23ADC 1	74-06-18	--	--	--	--	--	--	4
6N 39W19DBC 1	74-06-21	--	--	--	--	--	--	0
6N 41W17BBD 1	74-06-21	6	2	20	.0	10	2	1
7N 36W25BDC 1	74-06-25	--	--	--	--	--	--	1
7N 37W 3ACCA1	74-06-25	--	--	--	--	--	--	1
7N 39W21CAB 1	74-06-21	--	--	--	--	--	--	1
7N 41W15ACA 1	74-06-21	--	--	--	--	--	--	5
8N 39W 7CBCC1	74-06-25	--	--	--	--	--	--	2
CHERRY COUNTY								
25N 38W15ADD 1	74-08-22	--	--	--	--	--	--	0
26N 28W24BCB 1	74-08-20	--	--	--	--	--	--	0
27N 32W 9DAA 1	74-08-20	1	1	0	.0	0	2	0
27N 36W32ADD 1	74-08-22	--	--	--	--	--	--	1
CHEYENNE COUNTY								
12N 50W10DCC 1	74-06-17	--	--	--	--	--	--	1
13N 47W32AD 1	74-06-17	--	--	--	--	--	--	0
15N 46W18CCC 1	74-06-17	--	--	--	--	--	--	2
CLAY COUNTY								
6N 8W 8CB 3	74-02-15	8	--	--	--	--	--	--
7N 5W 2AA 1	74-02-19	7	--	--	--	--	--	--
8N 7W27DC 1	74-02-15	5	--	--	--	--	--	--
CUSTER COUNTY								
17N 23W10AADD1	74-07-18	--	--	--	--	--	--	2
18N 24W 7DAAB1	74-07-18	--	--	--	--	--	--	0
20N 23W23DCBC1	74-07-17	--	--	--	--	--	--	1
DAWSON COUNTY								
9N 21W 8BB 1	74-01-17	--	--	--	--	--	--	--
	74-02-12	--	--	--	--	--	--	--
	74-03-22	--	--	--	--	--	--	--
	74-04-24	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--
	74-06-26	--	--	--	--	--	--	--
	74-07-17	--	--	--	--	--	--	--
	74-08-29	--	--	--	--	--	--	--
	74-09-17	3	0	50	.0	22	1	--
9N 21W31BABB1	74-03-22	--	--	--	--	--	--	--
	74-06-26	--	--	--	--	--	--	--
	74-09-17	12	0	13	.0	4	0	--
9N 21W32CBBC1	73-12-13	--	--	--	--	--	--	--
	74-01-17	--	--	--	--	--	--	--
	74-02-12	--	--	--	--	--	--	--
	74-03-22	--	--	--	--	--	--	--
	74-04-24	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--
	74-06-26	--	--	--	--	--	--	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
BUFFALO COUNTY				
9N 15W31CBC 1	74-09-17	740	4.8	0
9N 15W31CD 1	73-11-07	--	--	--
	74-04-25	--	--	--
	74-05-22	--	--	--
	74-06-27	--	--	--
	74-07-18	--	--	--
	74-08-30	--	--	--
	74-09-17	770	3.5	10
9N 18W28AA 1	73-11-06	--	--	--
	73-12-14	--	--	--
	74-01-17	--	--	--
9N 18W28ADC 1	74-02-11	--	--	--
	74-03-22	--	--	--
	74-04-24	--	--	--
	74-05-22	--	--	--
	74-06-26	--	--	--
	74-07-17	--	--	--
	74-08-29	--	--	--
	74-09-17	900	11	10
10N 16W18DD 1	74-05-15	--	--	--
CHASE COUNTY				
5N 38W32DAB 1	74-06-25	--	--	--
5N 40W28CDA 1	74-06-25	--	--	--
6N 38W23ADC 1	74-06-18	--	--	--
6N 39W19DBC 1	74-06-21	--	--	--
6N 41W17BBD 1	74-06-21	470	43	10
7N 36W25BDC 1	74-06-25	--	--	--
7N 37W 3ACCA1	74-06-25	--	--	--
7N 39W21CAB 1	74-06-21	--	--	--
7N 41W15ACA 1	74-06-21	--	--	--
8N 39W 7CBCC1	74-06-25	--	--	--
CHERRY COUNTY				
25N 38W15ADD 1	74-08-22	--	--	--
26N 28W24BCB 1	74-08-20	--	--	--
27N 32W 9DAA 1	74-08-20	40	8.0	0
27N 36W32ADD 1	74-08-22	--	--	--
CHEYENNE COUNTY				
12N 50W10DCC 1	74-06-17	--	--	--
13N 47W32AD 1	74-06-17	--	--	--
15N 46W18CCC 1	74-06-17	--	--	--
CLAY COUNTY				
6N 8W 8CB 3	74-02-15	--	--	70
7N 5W 2AA 1	74-02-19	--	--	40
8N 7W27DC 1	74-02-15	--	--	80
CUSTER COUNTY				
17N 23W10AADD1	74-07-18	--	--	--
18N 24W 7DAAB1	74-07-18	--	--	--
20N 23W23DCBC1	74-07-17	--	--	--
DAWSON COUNTY				
9N 21W 8BB 1	74-01-17	--	--	--
	74-02-12	--	--	--
	74-03-22	--	--	--
	74-04-24	--	--	--
	74-05-22	--	--	--
	74-06-26	--	--	--
	74-07-17	--	--	--
	74-08-29	--	--	--
	74-09-17	1300	14	10
9N 21W31BABB1	74-03-22	--	--	--
	74-06-26	--	--	--
	74-09-17	400	5.5	10
9N 21W32CBBC1	73-12-13	--	--	--
	74-01-17	--	--	--
	74-02-12	--	--	--
	74-03-22	--	--	--
	74-04-24	--	--	--
	74-05-22	--	--	--
	74-06-26	--	--	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)
DAWSON COUNTY										
9N 21W32CBBC1	40 42 22	099 44 55	01	112SDGV	20	74-08-29	--	--	--	--
				112SDGV	20	74-09-17	--	--	--	--
11N 22W15CC 1	40 55 00	099 49 30	01	--	--	74-05-15	--	--	--	--
12N 21W12AA 1	41 01 23	099 38 01	01	--	--	74-05-15	--	--	--	--
12N 25W32BBA 1	40 58 24	100 12 03	01	112SDGV	120	74-06-26	48	--	--	61
				112SDGV	120	74-09-17	--	160	0	--
12N 25W32BBA 2	40 58 24	100 12 03	02	112SDGV	63	73-12-14	--	--	--	--
				112SDGV	63	74-01-17	--	--	--	--
				112SDGV	63	74-02-11	--	--	--	--
				112SDGV	63	74-03-22	--	--	--	--
				112SDGV	63	74-04-24	--	--	--	--
				112SDGV	63	74-05-22	--	--	--	--
				112SDGV	63	74-06-26	5.4	--	--	33
				112SDGV	63	74-07-17	--	--	--	--
DEUEL COUNTY										
12N 45W 6ADDD1	41 02 28	101 29 17	01	121OGLL	274	74-06-17	44	210	20	34
DUNDY COUNTY										
1N 38W10ACBB1	40 04 15	101 35 55	01	112SDGV	104	74-06-19	60	40	0	59
1N 39W20CCD 1	40 01 58	101 45 09	01	112SDGV	78	74-06-19	47	1800	870	120
2N 39W17DDB 1	40 08 12	101 44 38	01	121OGLL	--	74-06-19	59	40	0	39
3N 36W26ABD 1	40 12 05	101 20 55	01	121OGLL	150	74-06-19	16	10	0	46
3N 37W22CCA 1	40 12 32	101 29 17	01	121OGLL	240	74-06-19	65	60	0	45
3N 39W14CAB 1	40 13 30	101 41 50	01	121OGLL	--	74-06-19	61	20	0	39
4N 41W34DBB 1	40 15 57	101 56 10	01	121OGLL	310	74-06-19	66	20	0	35
FILLMORE COUNTY										
5N 4W12BD 1	40 25 00	097 43 14	01	112SDGV	131	74-02-19	35	130	8	51
7N 3W36DB 1	40 31 45	097 36 09	01	112SDGV	196	74-02-19	31	80	530	61
8N 1W20DB 2	40 38 43	097 27 06	02	112SDGV	306	74-02-19	29	150	17	300
GARDEN COUNTY										
23N 41W 7CDD 1	41 58 50	102 06 59	01	112SDHL	--	74-08-22	55	20	0	21
GARFIELD COUNTY										
23N 15W 5BCCA1	41 59 40	099 05 06	01	112SDGV	200	74-07-31	56	20	0	16
GRANT COUNTY										
21N 38W 5DCD 1	41 49 00	101 44 34	01	112SDHL	--	74-08-21	60	40	0	20
24N 36W20BCB 1	42 02 30	101 31 18	01	112SDHL	--	74-08-21	38	20	140	50
GREELEY COUNTY										
17N 9W 4DACD1	41 28 12	098 21 06	01	112SDGV	120	74-05-23	56	230	30	92
17N 12W 3CDDD1	41 28 01	098 41 05	01	112SDGV	--	74-09-24	--	--	--	100
17N 12W 4DBCD1	41 28 13	098 42 05	01	121OGLL	159	74-09-24	--	--	--	100
17N 12W13CBCD1	41 26 30	098 39 10	01	121OGLL	220	74-09-24	--	--	--	92
17N 12W15CBCB1	41 26 32	098 41 34	01	112SDGV	18	74-09-24	--	--	--	140
17N 12W25CCCC1	41 24 31	098 39 14	01	121OGLL	--	74-09-24	--	--	--	96
17N 12W26BBAA1	41 25 21	098 40 19	01	121OGLL	110	74-09-24	--	--	--	110
18N 12W19BACC1	41 33 45	098 44 41	01	121OGLL	134	74-09-25	--	--	--	94
18N 12W30ABBB1	41 30 31	098 45 24	01	121OGLL	160	74-09-25	--	--	--	94
18N 12W32ABCD1	41 29 32	098 43 14	01	121OGLL	160	74-09-24	--	--	--	100
19N 12W 2DCCA1	41 38 28	098 39 49	01	112SDGV	365	74-06-17	44	10	0	48
HALL COUNTY										
10N 9W11AC 1	40 51 06	098 18 29	01	112SDGV	125	74-08-28	--	--	--	--
10N 9W11BD 1	40 51 03	098 18 42	01	112SDGV	151	74-08-28	--	--	--	--
11N 9W 8DA 2	40 56 08	098 21 37	02	112SDGV	101	74-01-15	--	--	--	--
				112SDGV	101	74-02-11	--	--	--	--
				112SDGV	101	74-03-20	--	--	--	--
				112SDGV	101	74-04-23	--	--	--	--
				112SDGV	101	74-05-23	--	--	--	--
				112SDGV	101	74-06-25	36	--	--	48
				112SDGV	101	74-07-19	--	--	--	--
				112SDGV	101	74-08-28	--	--	--	--
				112SDGV	101	74-09-18	--	20	0	--
11N 9W28BB 1	40 53 57	098 21 28	01	112SDGV	84	74-01-15	--	--	--	--
				112SDGV	84	74-02-11	--	--	--	--
11N 9W29DAAA1	40 53 42	098 21 32	01	112SDGV	--	74-04-23	--	--	--	--
				112SDGV	--	74-05-23	--	--	--	--
				112SDGV	--	74-06-25	26	--	--	88
				112SDGV	--	74-07-19	--	--	--	--
				112SDGV	--	74-08-28	--	--	--	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	TOTAL ORGANIC NITRO- GEN (N) (MG/L) (00605)
DAWSON COUNTY										
9N 21W32CBBC1	74-08-29	--	--	--	--	--	--	30	--	--
	74-09-17	--	--	--	--	--	--	26	--	--
11N 22W15CC 1	74-05-15	--	--	--	--	--	--	--	--	--
12N 21W12AA 1	74-05-15	--	--	--	--	--	--	--	--	--
12N 25W32BBA 1	74-06-26	10	11	10	223	0	40	3.9	.4	.25
	74-09-17	--	--	--	--	--	--	3.9	--	--
12N 25W32BBA 2	73-12-14	--	--	--	--	--	--	4.5	--	--
	74-01-17	--	--	--	--	--	--	12	--	--
	74-02-11	--	--	--	--	--	--	9.0	--	--
	74-03-22	--	--	--	--	--	--	3.5	--	--
	74-04-24	--	--	--	--	--	--	3.0	--	--
	74-05-22	--	--	--	--	--	--	6.5	--	--
	74-06-26	7.6	19	17	207	0	15	4.5	.6	7.8
	74-07-17	--	--	--	--	--	--	1.5	--	--
DEUEL COUNTY										
12N 45W 6ADDD1	74-06-17	7.4	8.1	6.2	138	0	8.9	2.7	.8	--
DUNDY COUNTY										
1N 38W10ACBB1	74-06-19	16	21	11	210	0	40	26	1.1	--
1N 39W20CCD 1	74-06-19	33	56	13	285	0	300	17	.7	--
2N 39W17DDB 1	74-06-19	10	13	8.2	189	0	11	3.6	1.0	--
3N 36W26ABD 1	74-06-19	15	18	9.1	232	0	19	3.4	1.2	--
3N 37W22CCA 1	74-06-19	14	15	8.9	220	0	15	7.2	1.2	--
3N 39W14CAB 1	74-06-19	12	14	8.8	200	0	11	2.0	1.0	--
4N 41W34DBB 1	74-06-19	11	14	8.2	181	0	12	1.4	.9	--
FILLMORE COUNTY										
5N 4W12BD 1	74-02-19	7.4	24	7.3	186	0	30	15	.6	--
7N 3W36DB 1	74-02-19	10	21	4.1	205	0	48	13	.8	--
8N 1W20DB 2	74-02-19	44	92	8.4	419	0	600	61	.7	--
GARDEN COUNTY										
23N 41W 7CDD 1	74-08-22	4.2	12	6.3	93	0	7.8	6.1	.2	--
GARFIELD COUNTY										
23N 15W 5BCCA1	74-07-31	2.7	6.4	3.3	78	0	1.9	.7	.2	--
GRANT COUNTY										
21N 38W 5DCD 1	74-08-21	2.3	4.5	5.1	69	0	4.8	2.2	.3	--
24N 36W20BCB 1	74-08-21	8.1	20	22	149	0	70	20	.4	--
GREELEY COUNTY										
17N 9W 4DACD1	74-05-23	12	18	4.7	339	0	15	5.3	.3	--
17N 12W 3CDDD1	74-09-24	17	14	--	--	--	--	--	--	--
17N 12W 4DBCD1	74-09-24	16	14	--	--	--	--	--	--	--
17N 12W13CBCD1	74-09-24	19	9.5	--	--	--	--	--	--	--
17N 12W15CBCB1	74-09-24	24	23	--	--	--	--	--	--	--
17N 12W25CCCC1	74-09-24	16	22	--	--	--	--	--	--	--
17N 12W26BBAA1	74-09-24	17	16	--	--	--	--	--	--	--
18N 12W19BACC1	74-09-25	14	10	--	--	--	--	--	--	--
18N 12W30ABBB1	74-09-25	13	11	--	--	--	--	--	--	--
18N 12W32ABCD1	74-09-24	16	12	--	--	--	--	--	--	--
19N 12W 2DCCA1	74-06-17	7.8	8.6	7.8	207	0	6.1	1.5	.3	--
HALL COUNTY										
10N 9W11AC 1	74-08-28	--	--	--	--	--	--	--	--	--
10N 9W11BD 1	74-08-28	--	--	--	--	--	--	--	--	--
11N 9W 8DA 2	74-01-15	--	--	--	--	--	--	8.0	--	--
	74-02-11	--	--	--	--	--	--	7.0	--	--
	74-03-20	--	--	--	--	--	--	7.5	--	--
	74-04-23	--	--	--	--	--	--	7.0	--	--
	74-05-23	--	--	--	--	--	--	9.0	--	--
	74-06-25	7.7	13	7.9	145	0	36	6.9	.2	.28
	74-07-19	--	--	--	--	--	--	9.0	--	--
	74-08-28	--	--	--	--	--	--	8.0	--	--
	74-09-18	--	--	--	--	--	--	7.8	--	--
11N 9W28BB 1	74-01-15	--	--	--	--	--	--	11	--	--
	74-02-11	--	--	--	--	--	--	11	--	--
11N 9W29DAAA1	74-04-23	--	--	--	--	--	--	10	--	--
	74-05-23	--	--	--	--	--	--	11	--	--
	74-06-25	21	28	11	263	0	130	11	.5	.42
	74-07-19	--	--	--	--	--	--	11	--	--
	74-08-28	--	--	--	--	--	--	11	--	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT- I- FIER	DATE OF SAMPLE	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	TOTAL NITRO- GEN (N) (MG/L) (00600)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL NITRITE (N) (MG/L) (00615)	DIS- SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRATE (N) (MG/L) (00620)	DIS- SOLVED NITRATE (N) (MG/L) (00618)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)
DAWSON COUNTY										
9N 21W32CBBC1	74-08-29	.24	--	--	--	.01	--	1.4	--	--
	74-09-17	.27	--	--	--	.01	--	1.2	--	--
11N 22W15CC 1	74-05-15	.32	--	--	--	--	--	--	--	--
12N 21W12AA 1	74-05-15	.01	--	--	--	--	--	--	--	--
12N 25W32BBA 1	74-06-26	.04	--	.37	.29	--	--	--	--	.03
	74-09-17	.09	--	--	--	.00	--	.34	--	--
12N 25W32BBA 2	73-12-14	--	--	--	--	--	--	--	--	--
	74-01-17	1.3	--	--	--	.06	--	.06	--	--
	74-02-11	1.0	--	--	--	.04	--	.04	--	--
	74-03-22	.45	.30	--	--	.02	.00	.19	.19	.19
	74-04-24	.24	.07	--	--	.03	.01	.10	.16	.17
	74-05-22	.14	--	--	--	.04	--	.32	--	--
	74-06-26	.04	--	8.3	7.8	--	--	--	--	.07
	74-07-17	.35	--	--	--	.01	--	.00	--	--
DEUEL COUNTY										
12N 45W 6ADDD1	74-06-17	--	--	--	--	--	--	--	--	4.2
DUNDY COUNTY										
1N 38W10ACBB1	74-06-19	--	--	--	--	--	--	--	--	3.5
1N 39W20CCD 1	74-06-19	--	--	--	--	--	--	--	--	.30
2N 39W17DDB 1	74-06-19	--	--	--	--	--	--	--	--	.04
3N 36W26ABD 1	74-06-19	--	--	--	--	--	--	--	--	.37
3N 37W22CCA 1	74-06-19	--	--	--	--	--	--	--	--	1.7
3N 39W14CAB 1	74-06-19	--	--	--	--	--	--	--	--	1.2
4N 41W34DBB 1	74-06-19	--	--	--	--	--	--	--	--	1.5
FILLMORE COUNTY										
5N 4W12BD 1	74-02-19	--	--	--	--	--	--	--	--	2.5
7N 3W36DB 1	74-02-19	--	--	--	--	--	--	--	--	.09
8N 1W20DB 2	74-02-19	--	--	--	--	--	--	--	--	22
GARDEN COUNTY										
23N 41W 7CDD 1	74-08-22	--	--	--	--	--	--	--	--	3.0
GARFIELD COUNTY										
23N 15W 5BCCA1	74-07-31	--	--	--	--	--	--	--	--	.16
GRANT COUNTY										
21N 38W 5DCD 1	74-08-21	--	--	--	--	--	--	--	--	1.1
24N 36W20BCB 1	74-08-21	--	--	--	--	--	--	--	--	1.6
GREELEY COUNTY										
17N 9W 4DACD1	74-05-23	--	--	--	--	--	--	--	--	.93
17N 12W 3CDDD1	74-09-24	--	--	--	--	--	--	--	--	1.1
17N 12W 4DBCD1	74-09-24	--	--	--	--	--	--	--	--	2.3
17N 12W13CBCD1	74-09-24	--	--	--	--	--	--	--	--	.13
17N 12W15CBCB1	74-09-24	--	--	--	--	--	--	--	--	12
17N 12W25CCCC1	74-09-24	--	--	--	--	--	--	--	--	20
17N 12W26BBAA1	74-09-24	--	--	--	--	--	--	--	--	3.5
18N 12W19BACC1	74-09-25	--	--	--	--	--	--	--	--	1.2
18N 12W30ABBB1	74-09-25	--	--	--	--	--	--	--	--	1.3
18N 12W32ABCD1	74-09-24	--	--	--	--	--	--	--	--	.40
19N 12W 20CCA1	74-06-17	--	--	--	--	--	--	--	--	.71
HALL COUNTY										
10N 9W11AC 1	74-08-28	--	--	--	--	--	--	--	--	--
10N 9W11BD 1	74-08-28	--	--	--	--	--	--	--	--	--
11N 9W 8DA 2	74-01-15	.01	--	--	--	.00	--	6.9	--	--
	74-02-11	.02	--	--	--	.00	--	7.4	--	--
	74-03-20	.04	--	--	--	.00	--	7.3	--	--
	74-04-23	.02	--	--	--	.00	--	7.0	--	--
	74-05-23	.02	--	--	--	.00	--	7.1	--	--
	74-06-25	.02	--	7.4	.30	--	--	--	--	7.1
	74-07-19	.03	--	--	--	.00	--	6.9	--	--
	74-08-28	.03	--	--	--	.01	--	7.3	--	--
	74-09-18	.01	--	--	--	.00	--	7.4	--	--
11N 9W28BB 1	74-01-15	.07	--	--	--	.05	--	5.8	--	--
	74-02-11	.02	--	--	--	.01	--	7.2	--	--
11N 9W29DAAA1	74-04-23	.07	--	--	--	.00	.00	3.3	--	--
	74-05-23	.04	--	--	--	.00	--	3.7	--	--
	74-06-25	.02	--	4.2	.44	--	--	--	--	3.8
	74-07-19	.10	--	--	--	.00	--	3.7	--	--
	74-08-28	.04	--	--	--	.00	--	3.8	--	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT-I-FIER	DATE OF SAMPLE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
DAWSON COUNTY										
9N 21W32CBBC1	74-08-29	--	--	--	--	--	--	--	--	1880
	74-09-17	--	--	--	--	--	--	--	--	1460
11N 22W15CC 1	74-05-15	--	--	--	--	--	--	--	--	--
12N 21W12AA 1	74-05-15	--	--	--	--	--	--	--	--	--
12N 25W32BBA 1	74-06-26	.21	.18	40	295	294	190	11	.3	429
	74-09-17	--	--	--	--	--	--	--	--	434
12N 25W32BBA 2	73-12-14	--	--	--	--	--	--	--	--	532
	74-01-17	--	--	--	--	--	--	--	--	388
	74-02-11	--	--	--	--	--	--	--	--	367
	74-03-22	--	--	--	--	--	--	--	--	306
	74-04-24	--	--	--	--	--	--	--	--	260
	74-05-22	--	--	--	--	--	--	--	--	431
	74-06-26	5.2	.08	40	194	204	110	0	.8	368
	74-07-17	--	--	--	--	--	--	--	--	346
DEUEL COUNTY										
12N 45W 6ADDD1	74-06-17	--	.04	40	--	199	120	2	.3	266
DUNDY COUNTY										
1N 38W10ACBB1	74-06-19	--	.06	70	--	353	210	41	.6	530
1N 39W20CCD 1	74-06-19	--	.05	90	--	731	440	200	1.2	1070
2N 39W17DDB 1	74-06-19	--	.11	50	--	238	140	0	.5	351
3N 36W26ABD 1	74-06-19	--	.03	90	--	245	180	0	.6	430
3N 37W22CCA 1	74-06-19	--	.05	70	--	287	170	0	.5	413
3N 39W14CAB 1	74-06-19	--	.03	60	--	253	150	0	.5	355
4N 41W34DBB 1	74-06-19	--	.08	60	--	245	130	0	.5	331
FILLMORE COUNTY										
5N 4W12BD 1	74-02-19	--	.27	50	--	274	160	5	.8	428
7N 3W36DB 1	74-02-19	--	.18	50	--	291	190	25	.7	460
8N 1W20DB 2	74-02-19	--	.12	130	--	1440	930	590	1.3	2380
GARDEN COUNTY										
23N 41W 7CDD 1	74-08-22	--	.25	20	--	172	70	0	.6	205
GARFIELD COUNTY										
23N 15W 5BCCA1	74-07-31	--	.27	20	--	126	51	0	.4	133
GRANT COUNTY										
21N 38W 5DCD 1	74-08-21	--	.38	20	--	138	59	3	.3	126
24N 36W20BCB 1	74-08-21	--	.29	50	--	310	160	37	.7	460
GREELEY COUNTY										
17N 9W 4DACD1	74-05-23	--	.06	50	--	367	280	1	.3	565
17N 12W 3CDDD1	74-09-24	--	--	--	416	--	320	--	.3	632
17N 12W 4DBCD1	74-09-24	--	--	--	437	--	320	--	.3	642
17N 12W13CBCD1	74-09-24	--	--	--	201	--	310	--	.2	596
17N 12W15CBCB1	74-09-24	--	--	--	599	--	450	--	.5	954
17N 12W25CCCC1	74-09-24	--	--	--	455	--	310	--	.5	673
17N 12W26BBAA1	74-09-24	--	--	--	328	--	340	--	.4	673
18N 12W19BACC1	74-09-25	--	--	--	280	--	290	--	.3	572
18N 12W30ABBB1	74-09-25	--	--	--	385	--	290	--	.3	570
18N 12W32ABCD1	74-09-24	--	--	--	414	--	320	--	.3	619
19N 12W 20CCA1	74-06-17	--	.22	40	--	230	150	0	.3	335
HALL COUNTY										
10N 9W11AC 1	74-08-28	--	--	--	--	--	--	--	--	--
10N 9W11BD 1	74-08-28	--	--	--	--	--	--	--	--	--
11N 9W 8DA 2	74-01-15	--	--	--	--	--	--	--	--	419
	74-02-11	--	--	--	--	--	--	--	--	386
	74-03-20	--	--	--	--	--	--	--	--	406
	74-04-23	--	--	--	--	--	--	--	--	378
	74-05-23	--	--	--	--	--	--	--	--	378
	74-06-25	.16	.16	40	257	259	150	33	.5	379
	74-07-19	--	--	--	--	--	--	--	--	378
	74-08-28	--	--	--	--	--	--	--	--	385
	74-09-18	--	--	--	--	--	--	--	--	385
11N 9W28BB 1	74-01-15	--	--	--	--	--	--	--	--	655
	74-02-11	--	--	--	--	--	--	--	--	620
11N 9W29DAAA1	74-04-23	--	--	--	--	--	--	--	--	694
	74-05-23	--	--	--	--	--	--	--	--	706
	74-06-25	.06	.05	90	466	462	310	91	.7	712
	74-07-19	--	--	--	--	--	--	--	--	702
	74-08-28	--	--	--	--	--	--	--	--	719

LOCAL IDENT- I- FIER	DATE OF SAMPLE	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (BE) (UG/L) (01010)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COBALT (CO) (UG/L) (01035)
DAWSON COUNTY										
9N 21W32CBBC1	74-08-29	--	--	--	--	--	--	--	--	--
	74-09-17	--	--	--	--	--	--	--	--	--
11N 22W15CC 1	74-05-15	--	--	--	--	--	--	--	--	--
12N 21W12AA 1	74-05-15	--	--	--	--	--	--	--	--	--
12N 25W32BBA 1	74-06-26	7.9	1	--	--	--	--	--	--	--
	74-09-17	--	--	0	16	300	0	0	0	0
12N 25W32BBA 2	73-12-14	--	--	--	--	--	--	--	--	--
	74-01-17	--	--	--	--	--	--	--	--	--
	74-02-11	--	--	--	--	--	--	--	--	--
	74-03-22	--	--	--	--	--	--	--	--	--
	74-04-24	--	--	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--	--	--
	74-06-26	7.8	20	--	--	--	--	--	--	--
	74-07-17	--	--	--	--	--	--	--	--	--
DEUEL COUNTY										
12N 45W 6ADDD1	74-06-17	--	2	--	--	--	--	--	--	--
DUNDY COUNTY										
1N 38W10ACBB1	74-06-19	--	3	--	--	--	--	--	--	--
1N 39W20CCD 1	74-06-19	--	3	--	--	--	--	--	--	--
2N 39W17DDB 1	74-06-19	--	3	--	--	--	--	--	--	--
3N 36W26ABD 1	74-06-19	--	1	0	10	0	0	0	0	0
3N 37W22CCA 1	74-06-19	--	1	--	--	--	--	--	--	--
3N 39W14CAB 1	74-06-19	--	1	--	--	--	--	--	--	--
4N 41W34DBB 1	74-06-19	--	1	10	13	0	0	0	0	2
FILLMORE COUNTY										
5N 4W12BD 1	74-02-19	7.0	3	--	--	--	--	--	--	--
7N 3W36DB 1	74-02-19	7.4	5	--	--	--	--	--	--	--
8N 1W20DB 2	74-02-19	7.1	5	--	--	--	--	--	--	--
GARDEN COUNTY										
23N 41W 7CDD 1	74-08-22	--	2	10	3	200	0	<1	0	0
GARFIELD COUNTY										
23N 15W 5BCCA1	74-07-31	--	2	--	--	--	--	--	--	--
GRANT COUNTY										
21N 38W 5DCD 1	74-08-21	--	2	--	--	--	--	--	--	--
24N 36W20BCB 1	74-08-21	--	8	0	15	200	0	<1	0	0
GREELEY COUNTY										
17N 9W 4DACD1	74-05-23	--	--	--	--	--	--	--	--	--
17N 12W 3CDDD1	74-09-24	7.2	--	--	--	--	--	--	--	--
17N 12W 4DBCD1	74-09-24	7.3	--	--	--	--	--	--	--	--
17N 12W13CBCD1	74-09-24	7.4	--	--	--	--	--	--	--	--
17N 12W15CBCB1	74-09-24	7.2	--	--	--	--	--	--	--	--
17N 12W25CCCC1	74-09-24	7.0	--	--	--	--	--	--	--	--
17N 12W26BBAA1	74-09-24	7.2	--	--	--	--	--	--	--	--
18N 12W19BACC1	74-09-25	7.1	--	--	--	--	--	--	--	--
18N 12W30ABBB1	74-09-25	7.2	--	--	--	--	--	--	--	--
18N 12W32ABCD1	74-09-24	7.3	--	--	--	--	--	--	--	--
19N 12W 2DCCA1	74-06-17	7.7	1	10	3	<100	0	1	0	0
HALL COUNTY										
10N 9W11AC 1	74-08-28	--	--	--	--	--	--	--	--	--
10N 9W11BD 1	74-08-28	--	--	--	--	--	--	--	--	--
11N 9W 8DA 2	74-01-15	--	--	--	--	--	--	--	--	--
	74-02-11	--	--	--	--	--	--	--	--	--
	74-03-20	--	--	--	--	--	--	--	--	--
	74-04-23	--	--	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--	--	--
	74-06-25	7.5	2	--	--	--	--	--	--	--
	74-07-19	--	--	--	--	--	--	--	--	--
	74-08-28	--	--	--	--	--	--	--	--	--
	74-09-18	--	--	0	2	300	0	0	0	0
11N 9W28BB 1	74-01-15	--	--	--	--	--	--	--	--	--
	74-02-11	--	--	--	--	--	--	--	--	--
11N 9W29DAAA1	74-04-23	--	--	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--	--	--
	74-06-25	7.6	2	--	--	--	--	--	--	--
	74-07-19	--	--	--	--	--	--	--	--	--
	74-08-28	--	--	--	--	--	--	--	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)
DAWSON COUNTY								
9N 21W32CBBC1	74-08-29	--	--	--	--	--	--	--
	74-09-17	--	--	--	--	--	--	--
11N 22W15CC 1	74-05-15	--	--	--	--	--	--	--
12N 21W12AA 1	74-05-15	--	--	--	--	--	--	--
12N 25W32BBA 1	74-06-26	--	--	--	--	--	--	--
	74-09-17	1	2	25	.2	10	0	--
12N 25W32BBA 2	73-12-14	--	--	--	--	--	--	--
	74-01-17	--	--	--	--	--	--	--
	74-02-11	--	--	--	--	--	--	--
	74-03-22	--	--	--	--	--	--	--
	74-04-24	--	--	--	--	--	--	--
	74-05-22	--	--	--	--	--	--	--
	74-06-26	--	--	--	--	--	--	--
	74-07-17	--	--	--	--	--	--	--
DEUEL COUNTY								
12N 45W 6ADDD1	74-06-17	--	--	--	--	--	--	0
DUNDY COUNTY								
1N 38W10ACBB1	74-06-19	--	--	--	--	--	--	7
1N 39W20CCD 1	74-06-19	--	--	--	--	--	--	0
2N 39W17DDB 1	74-06-19	--	--	--	--	--	--	2
3N 36W26ABD 1	74-06-19	2	2	40	.0	6	0	2
3N 37W22CCA 1	74-06-19	--	--	--	--	--	--	5
3N 39W14CAB 1	74-06-19	--	--	--	--	--	--	2
4N 41W34DBB 1	74-06-19	3	4	20	.0	6	0	2
FILLMORE COUNTY								
5N 4W12BD 1	74-02-19	22	--	--	--	--	--	--
7N 3W36DB 1	74-02-19	18	--	--	--	--	--	--
8N 1W20DB 2	74-02-19	11	--	--	--	--	--	--
GARDEN COUNTY								
23N 41W 7CDD 1	74-08-22	2	2	0	1.0	0	2	1
GARFIELD COUNTY								
23N 15W 5BCCA1	74-07-31	--	--	--	--	--	--	2
GRANT COUNTY								
21N 38W 5DCD 1	74-08-21	--	--	--	--	--	--	1
24N 36W20BCB 1	74-08-21	3	1	13	.0	18	2	0
GREELEY COUNTY								
17N 9W 4DACD1	74-05-23	--	--	--	--	--	--	9
17N 12W 3CDDD1	74-09-24	--	--	--	--	--	--	--
17N 12W 4DBCD1	74-09-24	--	--	--	--	--	--	--
17N 12W13CBCD1	74-09-24	--	--	--	--	--	--	--
17N 12W15CBCB1	74-09-24	--	--	--	--	--	--	--
17N 12W25CCCC1	74-09-24	--	--	--	--	--	--	--
17N 12W26BBAA1	74-09-24	--	--	--	--	--	--	--
18N 12W19BACC1	74-09-25	--	--	--	--	--	--	--
18N 12W30ABBB1	74-09-25	--	--	--	--	--	--	--
18N 12W32ABCD1	74-09-24	--	--	--	--	--	--	--
19N 12W 2DCCA1	74-06-17	3	0	20	.0	2	5	2
HALL COUNTY								
10N 9W11AC 1	74-08-28	--	--	--	--	--	--	2
10N 9W11BD 1	74-08-28	--	--	--	--	--	--	1
11N 9W 8DA 2	74-01-15	--	--	--	--	--	--	--
	74-02-11	--	--	--	--	--	--	--
	74-03-20	--	--	--	--	--	--	--
	74-04-23	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--
	74-07-19	--	--	--	--	--	--	--
	74-08-28	--	--	--	--	--	--	--
	74-09-18	2	0	0	.1	0	0	--
11N 9W28BB 1	74-01-15	--	--	--	--	--	--	--
	74-02-11	--	--	--	--	--	--	--
11N 9W29DAAA1	74-04-23	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--
	74-07-19	--	--	--	--	--	--	--
	74-08-28	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED STRON- TIUM (SR) (UG/L) (01080)	DIS- SOLVED VANA- DIUM (V) (UG/L) (01085)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
DAWSON COUNTY				
9N 21W32CBBC1	74-08-29	--	--	--
	74-09-17	--	--	--
11N 22W15CC 1	74-05-15	--	--	--
12N 21W12AA 1	74-05-15	--	--	--
12N 25W32BBA 1	74-06-26	--	--	--
	74-09-17	330	5.4	40
12N 25W32BBA 2	73-12-14	--	--	--
	74-01-17	--	--	--
	74-02-11	--	--	--
	74-03-22	--	--	--
	74-04-24	--	--	--
	74-05-22	--	--	--
	74-06-26	--	--	--
	74-07-17	--	--	--
DEUEL COUNTY				
12N 45W 6ADDD1	74-06-17	--	--	10
DUNDY COUNTY				
1N 38W10ACBB1	74-06-19	--	--	--
1N 39W20CCD 1	74-06-19	--	--	--
2N 39W17DDB 1	74-06-19	--	--	--
3N 36W26ABD 1	74-06-19	580	35	0
3N 37W22CCA 1	74-06-19	--	--	--
3N 39W14CAB 1	74-06-19	--	--	--
4N 41W34DBB 1	74-06-19	460	38	0
FILLMORE COUNTY				
5N 4W12BD 1	74-02-19	--	--	80
7N 3W36DB 1	74-02-19	--	--	70
8N 1W20DB 2	74-02-19	--	--	100
GARDEN COUNTY				
23N 41W 7CDD 1	74-08-22	160	9.4	50
GARFIELD COUNTY				
23N 15W 5BCCA1	74-07-31	--	--	--
GRANT COUNTY				
21N 38W 5DCD 1	74-08-21	--	--	--
24N 36W20BCB 1	74-08-21	400	1.4	570
GREELEY COUNTY				
17N 9W 4DACD1	74-05-23	--	--	--
17N 12W 3CDDD1	74-09-24	--	--	--
17N 12W 4DBCD1	74-09-24	--	--	--
17N 12W13CBCD1	74-09-24	--	--	--
17N 12W15CBCB1	74-09-24	--	--	--
17N 12W25CCCC1	74-09-24	--	--	--
17N 12W26BBAA1	74-09-24	--	--	--
18N 12W19BACC1	74-09-25	--	--	--
18N 12W30ABBB1	74-09-25	--	--	--
18N 12W32ABCD1	74-09-24	--	--	--
19N 12W 2DCCA1	74-06-17	260	11	70
HALL COUNTY				
10N 9W11AC 1	74-08-28	--	--	--
10N 9W11BD 1	74-08-28	--	--	--
11N 9W 8DA 2	74-01-15	--	--	--
	74-02-11	--	--	--
	74-03-20	--	--	--
	74-04-23	--	--	--
	74-05-23	--	--	--
	74-06-25	--	--	--
	74-07-19	--	--	--
	74-08-28	--	--	--
	74-09-18	250	2.8	10
11N 9W28BB 1	74-01-15	--	--	--
	74-02-11	--	--	--
11N 9W29DAAA1	74-04-23	--	--	--
	74-05-23	--	--	--
	74-06-25	--	--	--
	74-07-19	--	--	--
	74-08-28	--	--	--

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)
HALL COUNTY										
11N 9W29DAAA1	40 53 42	098 21 32	01	112SDGV	--	74-09-16	--	10	40	--
11N 10W 1CCCC1	40 56 17	098 23 50	01	112SDGV	13	73-12-11	--	--	--	--
				112SDGV	13	74-01-15	--	--	--	--
				112SDGV	13	74-02-14	--	--	--	--
				112SDGV	13	74-03-20	--	--	--	--
				112SDGV	13	74-04-22	--	--	--	--
				112SDGV	13	74-05-23	--	--	--	--
				112SDGV	13	74-06-25	22	--	--	59
				112SDGV	13	74-07-19	--	--	--	--
				112SDGV	13	74-08-30	--	--	--	--
11N 10W 20A 1	40 57 00	098 23 57	01	112SDGV	60	74-03-20	--	--	--	--
				112SDGV	60	74-06-25	33	--	--	39
				112SDGV	60	74-09-18	--	20	0	--
11N 10W14CDA 1	40 55 06	098 24 24	01	112SDGV	45	74-03-20	--	--	--	--
				112SDGV	45	74-06-25	--	--	--	--
				112SDGV	45	74-09-18	--	--	--	--
11N 10W14CDA 2	40 55 06	098 24 24	02	112SDGV	35	74-03-20	--	--	--	--
				112SDGV	35	74-06-25	--	--	--	--
				112SDGV	35	74-09-18	--	--	--	--
11N 10W14DCCB1	40 55 06	098 24 13	01	112SDGV	18	73-12-15	--	--	--	--
				112SDGV	18	74-01-16	--	--	--	--
				112SDGV	18	74-02-14	--	--	--	--
				112SDGV	18	74-03-20	--	--	--	--
				112SDGV	18	74-04-22	--	--	--	--
				112SDGV	18	74-05-23	--	--	--	--
				112SDGV	18	74-06-25	18	--	--	38
				112SDGV	18	74-08-31	--	--	--	--
				112SDGV	18	74-09-18	--	--	--	--
11N 10W14DCCB2	40 55 06	098 24 23	02	112SDGV	75	74-03-20	--	--	--	--
				112SDGV	75	74-06-25	--	--	--	--
				112SDGV	75	74-09-18	--	--	--	--
11N 10W14DCCB3	40 55 06	098 24 23	03	112SDGV	90	74-03-20	--	--	--	--
				112SDGV	90	74-06-25	31	--	--	56
				112SDGV	90	74-09-18	--	0	510	--
11N 11W25CC 1	40 53 15	098 30 43	01	112SDGV	37	74-02-14	--	--	--	--
11N 11W35AAAA1	40 53 17	098 30 43	01	112SDGV	24	73-12-12	--	--	--	--
				112SDGV	24	74-01-16	--	--	--	--
				112SDGV	24	74-03-21	--	--	--	--
				112SDGV	24	74-04-23	--	--	--	--
				112SDGV	24	74-05-23	--	--	--	--
				112SDGV	24	74-06-27	30	--	--	94
				112SDGV	24	74-07-19	--	--	--	--
				112SDGV	24	74-08-28	--	--	--	--
				112SDGV	24	74-09-18	--	--	--	--
11N 11W36CBB 1	40 52 48	098 30 38	01	112SDGV	52	74-03-21	--	--	--	--
				112SDGV	52	74-06-27	36	--	--	84
				112SDGV	52	74-09-18	--	60	0	--
11N 12W12DDD 2	40 55 57	098 36 28	02	112SDGV	33	73-12-12	--	--	--	--
				112SDGV	33	74-01-16	--	--	--	--
				112SDGV	33	74-02-13	--	--	--	--
				112SDGV	33	74-03-21	--	--	--	--
				112SDGV	33	74-04-23	--	--	--	--
				112SDGV	33	74-05-23	--	--	--	--
				112SDGV	33	74-06-27	46	--	--	370
				112SDGV	33	74-07-18	--	--	--	--
				112SDGV	33	74-08-28	--	--	--	--
				112SDGV	33	74-09-18	--	--	--	--
11N 12W13AAAA1	40 55 52	098 36 30	01	112SDGV	55	74-03-21	--	--	--	--
				112SDGV	55	74-06-27	48	--	--	300
				112SDGV	55	74-09-18	--	50	0	--
HAMILTON COUNTY										
9N 7W 6DAD 2	40 46 33	098 09 12	02	112SDGV	190	74-02-15	31	50	930	83
10N 6W 4CB 1	40 51 47	098 00 45	01	112SDGV	248	74-02-15	28	10	8	54
HOOKER COUNTY										
21N 32W36CDC 1	41 44 28	100 58 22	01	112SDHL	--	74-08-20	54	40	0	11
22N 33W 5CAA 1	41 54 25	101 09 50	01	112SDHL	--	74-08-20	49	30	0	14
HOWARD COUNTY										
15N 9W 9BDCB1	41 17 11	098 21 32	01	121OGLL	165	74-09-20	--	--	--	90
15N 10W12CBBB1	41 17 08	098 25 10	01	121OGLL	--	74-09-20	--	--	--	55
15N 10W16DAAA1	41 16 16	098 27 33	01	121OGLL	110	74-09-20	--	--	--	90
15N 11W 5AABB1	41 18 29	098 35 51	01	112SDGV	25	74-09-23	--	--	--	78
15N 11W10CBA 1	41 17 05	098 34 17	01	121OGLL	150	74-09-23	--	--	--	99
15N 11W12ADBC1	41 17 19	098 31 14	01	112SDGV	50	74-09-20	--	--	--	130
16N 11W 6CDDD1	41 22 49	098 37 13	01	110SDGV	80	74-09-24	--	--	--	110

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)
HALL COUNTY										
11N 9W29DAAA1	74-09-16	--	--	--	--	--	--	10	--	--
11N 10W 1CCCC1	73-12-11	--	--	--	--	--	--	29	--	--
	74-01-15	--	--	--	--	--	--	45	--	--
	74-02-14	--	--	--	--	--	--	18	--	--
	74-03-20	--	--	--	--	--	--	76	--	--
	74-04-22	--	--	--	--	--	--	62	--	--
	74-05-23	--	--	--	--	--	--	50	--	--
	74-06-25	16	60	19	233	0	95	36	.6	3.1
	74-07-19	--	--	--	--	--	--	39	--	--
	74-08-30	--	--	--	--	--	--	60	--	--
11N 10W 2DA 1	74-03-20	--	--	--	--	--	--	8.5	--	--
	74-06-25	6.3	8.6	6.3	98	0	21	8.5	.2	.34
	74-09-18	--	--	--	--	--	--	8.8	--	--
11N 10W14CDA 1	74-03-20	--	--	--	--	--	--	6.0	--	--
	74-06-25	--	--	--	--	--	--	6.0	--	--
	74-09-18	--	--	--	--	--	--	6.0	--	--
11N 10W14CDA 2	74-03-20	--	--	--	--	--	--	8.0	--	--
	74-06-25	--	--	--	--	--	--	8.5	--	--
	74-09-18	--	--	--	--	--	--	10	--	--
11N 10W14DCCB1	73-12-15	--	--	--	--	--	--	5.8	--	--
	74-01-16	--	--	--	--	--	--	20	--	--
	74-02-14	--	--	--	--	--	--	5.8	--	--
	74-03-20	--	--	--	--	--	--	5.5	--	--
	74-04-22	--	--	--	--	--	--	5.0	--	--
	74-05-23	--	--	--	--	--	--	9.0	--	--
	74-06-25	8.2	8.6	7.4	148	0	20	9.2	.2	4.1
	74-08-31	--	--	--	--	--	--	36	--	--
	74-09-18	--	--	--	--	--	--	40	--	--
11N 10W14DCCB2	74-03-20	--	--	--	--	--	--	8.0	--	--
	74-06-25	--	--	--	--	--	--	9.5	--	--
	74-09-18	--	--	--	--	--	--	6.6	--	--
11N 10W14DCCB3	74-03-20	--	--	--	--	--	--	6.5	--	--
	74-06-25	9.3	11	9.3	163	0	46	5.6	.2	.06
	74-09-18	--	--	--	--	--	--	5.9	--	--
11N 11W25CC 1	74-02-14	--	--	--	--	--	--	6.5	--	--
11N 11W35AAAA1	73-12-12	--	--	--	--	--	--	13	--	--
	74-01-16	--	--	--	--	--	--	11	--	--
	74-03-21	--	--	--	--	--	--	9.0	--	--
	74-04-23	--	--	--	--	--	--	9.5	--	--
	74-05-23	--	--	--	--	--	--	12	--	--
	74-06-27	17	61	19	343	0	45	9.1	.3	1.3
	74-07-19	--	--	--	--	--	--	10	--	--
	74-08-28	--	--	--	--	--	--	11	--	--
	74-09-18	--	--	--	--	--	--	12	--	--
11N 11W36CBB 1	74-03-21	--	--	--	--	--	--	11	--	--
	74-06-27	14	28	10	284	0	43	11	.2	.36
	74-09-18	--	--	--	--	--	--	12	--	--
11N 12W12DDD 2	73-12-12	--	--	--	--	--	--	46	--	--
	74-01-16	--	--	--	--	--	--	60	--	--
	74-02-13	--	--	--	--	--	--	75	--	--
	74-03-21	--	--	--	--	--	--	55	--	--
	74-04-23	--	--	--	--	--	--	54	--	--
	74-05-23	--	--	--	--	--	--	56	--	--
	74-06-27	61	85	26	392	0	890	67	.2	2.1
	74-07-18	--	--	--	--	--	--	60	--	--
	74-08-28	--	--	--	--	--	--	31	--	--
	74-09-18	--	--	--	--	--	--	51	--	--
11N 12W13AAAA1	74-03-21	--	--	--	--	--	--	32	--	--
	74-06-27	46	65	18	416	0	610	40	.2	.67
	74-09-18	--	--	--	--	--	--	48	--	--
HAMILTON COUNTY										
9N 7W 6DAD 2	74-02-15	14	28	6.3	229	0	110	13	.7	--
10N 6W 4CB 1	74-02-15	8.9	21	5.0	193	0	34	9.3	.9	--
HOOKER COUNTY										
21N 32W36CDC 1	74-08-20	1.4	5.7	4.7	57	0	3.9	1.3	.2	--
22N 33W 5CAA 1	74-08-20	2.0	6.9	5.2	55	0	8.4	2.0	.2	--
HOWARD COUNTY										
15N 9W 9BDCB1	74-09-20	13	11	--	--	--	--	--	--	--
15N 10W12CBBB1	74-09-20	11	5.4	--	--	--	--	--	--	--
15N 10W16DAAA1	74-09-20	12	8.1	--	--	--	--	--	--	--
15N 11W 5AABB1	74-09-23	16	13	--	--	--	--	--	--	--
15N 11W10CBA 1	74-09-23	16	16	--	--	--	--	--	--	--
15N 11W12ADBC1	74-09-20	24	57	--	--	--	--	--	--	--
16N 11W 6CDDD1	74-09-24	15	13	--	--	--	--	--	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	AMMONIA NITRO-GEN (N) (MG/L) (00610)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRITE (N) (MG/L) (00615)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRATE (N) (MG/L) (00620)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)
HALL COUNTY										
11N 9W29DAAA1	74-09-16	.02	--	--	--	.00	--	4.1	--	--
11N 10W 1CCCC1	73-12-11	--	--	--	--	--	--	--	--	--
	74-01-15	.06	--	--	--	.00	--	.65	--	--
	74-02-14	.11	--	--	--	.02	--	1.3	--	--
	74-03-20	.86	.76	--	--	.59	.61	7.9	6.2	6.8
	74-04-22	1.0	1.0	--	--	.95	.95	10	7.5	8.4
	74-05-23	.77	--	--	--	.63	--	9.4	--	--
	74-06-25	.12	--	15	3.2	--	--	--	--	12
	74-07-19	.11	--	--	--	.01	--	13	--	--
	74-08-30	.03	--	--	--	.01	--	7.6	--	--
11N 10W 2DA 1	74-03-20	.04	--	--	--	.00	--	11	--	--
	74-06-25	.02	--	10	.36	--	--	--	--	9.7
	74-09-18	.01	--	--	--	.00	--	10	--	--
11N 10W14CDA 1	74-03-20	.05	--	--	--	.00	--	11	--	--
	74-06-25	.20	--	--	--	.00	--	9.4	--	--
	74-09-18	.02	--	--	--	.01	--	7.4	--	--
11N 10W14CDA 2	74-03-20	.01	--	--	--	.00	--	10	--	--
	74-06-25	.11	--	--	--	.00	--	12	--	--
	74-09-18	.03	--	--	--	.00	--	13	--	--
11N 10W14DCCB1	73-12-15	--	--	--	--	--	--	--	--	--
	74-01-16	.30	--	--	--	.00	--	.18	--	--
	74-02-14	.65	--	--	--	.01	--	.24	--	--
	74-03-20	.30	.30	--	--	.06	.04	.79	.37	.41
	74-04-22	.36	.22	--	--	.05	.06	.50	.42	.48
	74-05-23	.45	--	--	--	.08	--	1.0	--	--
	74-06-25	.41	--	6.4	4.5	--	--	--	--	2.3
	74-08-31	.09	--	--	--	.06	--	5.0	--	--
	74-09-18	.47	--	--	--	.01	--	4.3	--	--
11N 10W14DCCB2	74-03-20	.04	--	--	--	.00	--	14	--	--
	74-06-25	.08	--	--	--	.00	--	13	--	--
	74-09-18	.02	--	--	--	.00	--	12	--	--
11N 10W14DCCB3	74-03-20	.01	--	--	--	.00	--	67	--	--
	74-06-25	.13	--	7.2	.19	--	--	--	--	7.1
	74-09-18	.01	--	--	--	.00	--	8.4	--	--
11N 11W25CC 1	74-02-14	.01	--	--	--	.00	--	4.8	--	--
11N 11W35AAAA1	73-12-12	--	--	--	--	--	--	--	--	--
	74-01-16	.42	--	--	--	.03	--	41	--	--
	74-03-21	.37	.35	--	--	.48	.36	29	24	24
	74-04-23	.37	.26	--	--	.28	.13	38	33	33
	74-05-23	.10	--	--	--	.13	--	38	--	--
	74-06-27	.67	--	36	2.0	--	--	--	--	34
	74-07-19	.69	--	--	--	.27	--	34	--	--
	74-08-28	1.3	--	--	--	.09	--	35	--	--
	74-09-18	1.6	--	--	--	.07	--	29	--	--
11N 11W36CBB 1	74-03-21	.05	--	--	--	.00	--	13	--	--
	74-06-27	.01	--	13	.37	--	--	--	--	13
	74-09-18	.02	--	--	--	.00	--	13	--	--
11N 12W12DDD 2	73-12-12	--	--	--	--	--	--	--	--	--
	74-01-16	.44	--	--	--	.00	--	.28	--	--
	74-02-13	.56	--	--	--	.04	--	.14	--	--
	74-03-21	.28	.20	--	--	.04	.07	.24	.00	.07
	74-04-23	.29	.19	--	--	.05	.01	.03	.02	.03
	74-05-23	.09	--	--	--	.01	--	.05	--	--
	74-06-27	.82	--	3.3	2.9	--	--	--	--	.44
	74-07-18	.81	--	--	--	.01	--	.08	--	--
	74-08-28	.31	--	--	--	.03	--	.13	--	--
	74-09-18	.48	--	--	--	.06	--	.59	--	--
11N 12W13AAAA1	74-03-21	.04	--	--	--	.00	--	4.9	--	--
	74-06-27	.04	--	5.7	.71	--	--	--	--	4.8
	74-09-18	.01	--	--	--	.00	--	4.9	--	--
HAMILTON COUNTY										
9N 7W 6DAD 2	74-02-15	--	--	--	--	--	--	--	--	1.2
10N 6W 4CB 1	74-02-15	--	--	--	--	--	--	--	--	1.2
HOOKER COUNTY										
21N 32W36CDC 1	74-08-20	--	--	--	--	--	--	--	--	.82
22N 33W 5CAA 1	74-08-20	--	--	--	--	--	--	--	--	2.4
HOWARD COUNTY										
15N 9W 9BDCB1	74-09-20	--	--	--	--	--	--	--	--	4.5
15N 10W12CBBB1	74-09-20	--	--	--	--	--	--	--	--	1.0
15N 10W16DAAA1	74-09-20	--	--	--	--	--	--	--	--	1.8
15N 11W 5AABB1	74-09-23	--	--	--	--	--	--	--	--	1.1
15N 11W10CBA 1	74-09-23	--	--	--	--	--	--	--	--	2.3
15N 11W12ADBC1	74-09-20	--	--	--	--	--	--	--	--	3.5
16N 11W 6CDDD1	74-09-24	--	--	--	--	--	--	--	--	3.8

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT- I- FIER	DATE OF SAMPLE	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)
HALL COUNTY										
11N 9W29DAAA1	74-09-16	--	--	--	--	--	--	--	--	719
11N 10W 1CCCC1	73-12-11	--	--	--	--	--	--	--	--	519
	74-01-15	--	--	--	--	--	--	--	--	553
	74-02-14	--	--	--	--	--	--	--	--	367
	74-03-20	--	--	--	--	--	--	--	--	1100
	74-04-22	--	--	--	--	--	--	--	--	899
	74-05-23	--	--	--	--	--	--	--	--	850
	74-06-25	2.2	.05	160	498	476	210	22	1.8	763
	74-07-19	--	--	--	--	--	--	--	--	754
	74-08-30	--	--	--	--	--	--	--	--	824
11N 10W 2DA 1	74-03-20	--	--	--	--	--	--	--	--	316
	74-06-25	.16	.15	30	222	214	120	43	.3	319
	74-09-18	--	--	--	--	--	--	--	--	319
11N 10W14CDA 1	74-03-20	--	--	--	--	--	--	--	--	408
	74-06-25	--	--	--	--	--	--	--	--	430
	74-09-18	--	--	--	--	--	--	--	--	405
11N 10W14CDA 2	74-03-20	--	--	--	--	--	--	--	--	433
	74-06-25	--	--	--	--	--	--	--	--	435
	74-09-18	--	--	--	--	--	--	--	--	453
11N 10W14DCCB1	73-12-15	--	--	--	--	--	--	--	--	361
	74-01-16	--	--	--	--	--	--	--	--	450
	74-02-14	--	--	--	--	--	--	--	--	361
	74-03-20	--	--	--	--	--	--	--	--	353
	74-04-22	--	--	--	--	--	--	--	--	401
	74-05-23	--	--	--	--	--	--	--	--	417
	74-06-25	1.2	.01	50	207	193	130	7	.3	301
	74-08-31	--	--	--	--	--	--	--	--	433
	74-09-18	--	--	--	--	--	--	--	--	480
11N 10W14DCCB2	74-03-20	--	--	--	--	--	--	--	--	465
	74-06-25	--	--	--	--	--	--	--	--	462
	74-09-18	--	--	--	--	--	--	--	--	456
11N 10W14DCCB3	74-03-20	--	--	--	--	--	--	--	--	409
	74-06-25	.19	.17	70	267	280	180	44	.4	415
	74-09-18	--	--	--	--	--	--	--	--	422
11N 11W25CC 1	74-02-14	--	--	--	--	--	--	--	--	510
11N 11W35AAAA1	73-12-12	--	--	--	--	--	--	--	--	1170
	74-01-16	--	--	--	--	--	--	--	--	1170
	74-03-21	--	--	--	--	--	--	--	--	835
	74-04-23	--	--	--	--	--	--	--	--	946
	74-05-23	--	--	--	--	--	--	--	--	1030
	74-06-27	2.1	.04	140	621	595	300	23	1.5	910
	74-07-19	--	--	--	--	--	--	--	--	947
	74-08-28	--	--	--	--	--	--	--	--	957
	74-09-18	--	--	--	--	--	--	--	--	950
11N 11W36CBB 1	74-03-21	--	--	--	--	--	--	--	--	648
	74-06-27	.34	.33	60	427	424	270	34	.7	663
	74-09-18	--	--	--	--	--	--	--	--	720
11N 12W12DDD 2	73-12-12	--	--	--	--	--	--	--	--	2020
	74-01-16	--	--	--	--	--	--	--	--	2500
	74-02-13	--	--	--	--	--	--	--	--	2120
	74-03-21	--	--	--	--	--	--	--	--	2070
	74-04-23	--	--	--	--	--	--	--	--	2140
	74-05-23	--	--	--	--	--	--	--	--	2170
	74-06-27	.01	.02	120	1890	1740	1200	850	1.1	2180
	74-07-18	--	--	--	--	--	--	--	--	1850
	74-08-28	--	--	--	--	--	--	--	--	1560
	74-09-18	--	--	--	--	--	--	--	--	1610
11N 12W13AAAA1	74-03-21	--	--	--	--	--	--	--	--	1720
	74-06-27	.13	.10	90	1420	1350	940	600	.9	1790
	74-09-18	--	--	--	--	--	--	--	--	1830
HAMILTON COUNTY										
9N 7W 6DAD 2	74-02-15	--	.22	50	--	405	270	77	.7	631
10N 6W 4CB 1	74-02-15	--	.23	60	--	262	170	13	.7	428
HOOKER COUNTY										
21N 32W36CDC 1	74-08-20	--	.32	20	--	114	33	0	.4	108
22N 33W 5CAA 1	74-08-20	--	.27	20	--	126	43	0	.5	134
HOWARD COUNTY										
15N 9W 9BDCB1	74-09-20	--	--	--	378	--	280	--	.3	572
15N 10W12CBBB1	74-09-20	--	--	--	330	--	180	--	.2	494
15N 10W16DAAA1	74-09-20	--	--	--	372	--	270	--	.2	554
15N 11W 5AABB1	74-09-23	--	--	--	346	--	260	--	.4	529
15N 11W10CBA 1	74-09-23	--	--	--	434	--	310	--	.4	643
15N 11W12ADBC1	74-09-20	--	--	--	632	--	420	--	1.2	984
16N 11W 6CDDD1	74-09-24	--	--	--	431	--	340	--	.3	637

LOCAL IDENT- I- FIER	DATE OF SAMPLE	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (BE) (UG/L) (01010)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COBALT (CO) (UG/L) (01035)
HALL COUNTY										
11N 9W29DAAA1	74-09-16	--	--	0	2	200	0	0	0	0
11N 10W 1CCCC1	73-12-11	--	--	--	--	--	--	--	--	--
	74-01-15	--	--	--	--	--	--	--	--	--
	74-02-14	--	--	--	--	--	--	--	--	--
	74-03-20	--	--	--	--	--	--	--	--	--
	74-04-22	--	--	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--	--	--
	74-06-25	7.2	3	--	--	--	--	--	--	--
	74-07-19	--	--	--	--	--	--	--	--	--
	74-08-30	--	--	--	--	--	--	--	--	--
11N 10W 2DA 1	74-03-20	--	--	--	--	--	--	--	--	--
	74-06-25	7.1	1	--	--	--	--	--	--	--
	74-09-18	--	--	0	3	200	0	0	0	0
11N 10W14CDA 1	74-03-20	--	--	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--	--	--
	74-09-18	--	--	--	--	--	--	--	--	--
11N 10W14CDA 2	74-03-20	--	--	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--	--	--
	74-09-18	--	--	--	--	--	--	--	--	--
11N 10W14DCCB1	73-12-15	--	--	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--	--	--
	74-02-14	--	--	--	--	--	--	--	--	--
	74-03-20	--	--	--	--	--	--	--	--	--
	74-04-22	--	--	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--	--	--
	74-06-25	6.9	20	--	--	--	--	--	--	--
	74-08-31	--	--	--	--	--	--	--	--	--
	74-09-18	--	--	--	--	--	--	--	--	--
11N 10W14DCCB2	74-03-20	--	--	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--	--	--
	74-09-18	--	--	--	--	--	--	--	--	--
11N 10W14DCCB3	74-03-20	--	--	--	--	--	--	--	--	--
	74-06-25	7.5	1	--	--	--	--	--	--	--
	74-09-18	--	--	0	3	300	0	0	0	0
11N 11W25CC 1	74-02-14	--	--	--	--	--	--	--	--	--
11N 11W35AAAA1	73-12-12	--	--	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--	--	--
	74-03-21	--	--	--	--	--	--	--	--	--
	74-04-23	--	--	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--	--	--
	74-06-27	6.9	20	--	--	--	--	--	--	--
	74-07-19	--	--	--	--	--	--	--	--	--
	74-08-28	--	--	--	--	--	--	--	--	--
	74-09-18	--	--	--	--	--	--	--	--	--
11N 11W36CBB 1	74-03-21	--	--	--	--	--	--	--	--	--
	74-06-27	7.5	2	--	--	--	--	--	--	--
	74-09-18	--	--	0	4	700	0	0	0	0
11N 12W12DDD 2	73-12-12	--	--	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--	--	--
	74-02-13	--	--	--	--	--	--	--	--	--
	74-03-21	--	--	--	--	--	--	--	--	--
	74-04-23	--	--	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--	--	--
	74-06-27	7.0	2	--	--	--	--	--	--	--
	74-07-18	--	--	--	--	--	--	--	--	--
	74-08-28	--	--	--	--	--	--	--	--	--
	74-09-18	--	--	--	--	--	--	--	--	--
11N 12W13AAAA1	74-03-21	--	--	--	--	--	--	--	--	--
	74-06-27	7.2	1	--	--	--	--	--	--	--
	74-09-18	--	--	0	5	0	0	0	0	3
HAMILTON COUNTY										
9N 7W 6DAD 2	74-02-15	7.2	5	--	--	--	--	--	--	--
10N 6W 4CB 1	74-02-15	7.4	7	--	--	--	--	--	--	--
HOOKER COUNTY										
21N 32W36CDC 1	74-08-20	--	1	--	--	--	--	--	--	--
22N 33W 5CAA 1	74-08-20	--	1	--	--	--	--	--	--	--
HOWARD COUNTY										
15N 9W 9BDCB1	74-09-20	6.2	--	--	--	--	--	--	--	--
15N 10W12CBBB1	74-09-20	6.2	--	--	--	--	--	--	--	--
15N 10W16DAAA1	74-09-20	6.3	--	--	--	--	--	--	--	--
15N 11W 5AABB1	74-09-23	7.1	--	--	--	--	--	--	--	--
15N 11W10CBA 1	74-09-23	7.2	--	--	--	--	--	--	--	--
15N 11W12ADBC1	74-09-20	6.4	--	--	--	--	--	--	--	--
16N 11W 6CDDD1	74-09-24	7.0	--	--	--	--	--	--	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)
HALL COUNTY								
11N 9W29DAAA1	74-09-16	23	0	25	.0	4	1	--
11N 10W 1CCCC1	73-12-11	--	--	--	--	--	--	--
	74-01-15	--	--	--	--	--	--	--
	74-02-14	--	--	--	--	--	--	--
	74-03-20	--	--	--	--	--	--	--
	74-04-22	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--
	74-07-19	--	--	--	--	--	--	--
	74-08-30	--	--	--	--	--	--	--
11N 10W 2DA 1	74-03-20	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--
	74-09-18	8	2	0	.0	0	5	--
11N 10W14CDA 1	74-03-20	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--
	74-09-18	--	--	--	--	--	--	--
11N 10W14CDA 2	74-03-20	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--
	74-09-18	--	--	--	--	--	--	--
11N 10W14DCCB1	73-12-15	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--
	74-02-14	--	--	--	--	--	--	--
	74-03-20	--	--	--	--	--	--	--
	74-04-22	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--
	74-08-31	--	--	--	--	--	--	--
	74-09-18	--	--	--	--	--	--	--
11N 10W14DCCB2	74-03-20	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--
	74-09-18	--	--	--	--	--	--	--
11N 10W14DCCB3	74-03-20	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--
	74-09-18	6	0	13	.1	3	0	--
11N 11W25CC 1	74-02-14	--	--	--	--	--	--	--
11N 11W35AAAA1	73-12-12	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--
	74-03-21	--	--	--	--	--	--	--
	74-04-23	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--
	74-06-27	--	--	--	--	--	--	--
	74-07-19	--	--	--	--	--	--	--
	74-08-28	--	--	--	--	--	--	--
	74-09-18	--	--	--	--	--	--	--
11N 11W36CBB 1	74-03-21	--	--	--	--	--	--	--
	74-06-27	--	--	--	--	--	--	--
	74-09-18	12	2	25	.2	2	2	--
11N 12W12DDD 2	73-12-12	--	--	--	--	--	--	--
	74-01-16	--	--	--	--	--	--	--
	74-02-13	--	--	--	--	--	--	--
	74-03-21	--	--	--	--	--	--	--
	74-04-23	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--
	74-06-27	--	--	--	--	--	--	--
	74-07-18	--	--	--	--	--	--	--
	74-08-28	--	--	--	--	--	--	--
	74-09-18	--	--	--	--	--	--	--
11N 12W13AAAA1	74-03-21	--	--	--	--	--	--	--
	74-06-27	--	--	--	--	--	--	--
	74-09-18	11	0	50	.1	11	20	--
HAMILTON COUNTY								
9N 7W 6DAD 2	74-02-15	11	--	--	--	--	--	--
10N 6W 4CB 1	74-02-15	19	--	--	--	--	--	--
HOOKER COUNTY								
21N 32W36CDC 1	74-08-20	--	--	--	--	--	--	0
22N 33W 5CAA 1	74-08-20	--	--	--	--	--	--	3
HOWARD COUNTY								
15N 9W 9BDCB1	74-09-20	--	--	--	--	--	--	--
15N 10W12CBBB1	74-09-20	--	--	--	--	--	--	--
15N 10W16DAAA1	74-09-20	--	--	--	--	--	--	--
15N 11W 5AABB1	74-09-23	--	--	--	--	--	--	--
15N 11W10CBA 1	74-09-23	--	--	--	--	--	--	--
15N 11W12ADBC1	74-09-20	--	--	--	--	--	--	--
16N 11W 6CDDD1	74-09-24	--	--	--	--	--	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
HALL COUNTY				
11N 9W29DAAA1	74-09-16	600	3.2	90
11N 10W 1CCCC1	73-12-11	--	--	--
	74-01-15	--	--	--
	74-02-14	--	--	--
	74-03-20	--	--	--
	74-04-22	--	--	--
	74-05-23	--	--	--
	74-06-25	--	--	--
	74-07-19	--	--	--
	74-08-30	--	--	--
11N 10W 2DA 1	74-03-20	--	--	--
	74-06-25	--	--	--
	74-09-18	220	6.0	10
11N 10W14CDA 1	74-03-20	--	--	--
	74-06-25	--	--	--
	74-09-18	--	--	--
11N 10W14CDA 2	74-03-20	--	--	--
	74-06-25	--	--	--
	74-09-18	--	--	--
11N 10W14DCCB1	73-12-15	--	--	--
	74-01-16	--	--	--
	74-02-14	--	--	--
	74-03-20	--	--	--
	74-04-22	--	--	--
	74-05-23	--	--	--
	74-06-25	--	--	--
	74-08-31	--	--	--
	74-09-18	--	--	--
11N 10W14DCCB2	74-03-20	--	--	--
	74-06-25	--	--	--
	74-09-16	--	--	--
11N 10W14DCCB3	74-03-20	--	--	--
	74-06-25	--	--	--
	74-09-18	300	3.1	10
11N 11W25CC 1	74-02-14	--	--	--
11N 11W35AAAA1	73-12-12	--	--	--
	74-01-16	--	--	--
	74-03-21	--	--	--
	74-04-23	--	--	--
	74-05-23	--	--	--
	74-06-27	--	--	--
	74-07-19	--	--	--
	74-08-28	--	--	--
	74-09-16	--	--	--
11N 11W36CBB 1	74-03-21	--	--	--
	74-06-27	--	--	--
	74-09-18	450	7.2	10
11N 12W12DDD 2	73-12-12	--	--	--
	74-01-16	--	--	--
	74-02-13	--	--	--
	74-03-21	--	--	--
	74-04-23	--	--	--
	74-05-23	--	--	--
	74-06-27	--	--	--
	74-07-18	--	--	--
	74-08-28	--	--	--
	74-09-18	--	--	--
11N 12W13AAAA1	74-03-21	--	--	--
	74-06-27	--	--	--
	74-09-18	1100	8.0	10
HAMILTON COUNTY				
9N 7W 6DAD 2	74-02-15	--	--	40
10N 6W 4CB 1	74-02-15	--	--	30
HOOKER COUNTY				
21N 32W36CDC 1	74-08-20	--	--	--
22N 33W 5CAA 1	74-08-20	--	--	--
HOWARD COUNTY				
15N 9W 9BDCB1	74-09-20	--	--	--
15N 10W12CBBB1	74-09-20	--	--	--
15N 10W16DAAA1	74-09-20	--	--	--
15N 11W 5AABB1	74-09-23	--	--	--
15N 11W10CBA 1	74-09-23	--	--	--
15N 11W12ADBC1	74-09-20	--	--	--
16N 11W 6CDDD1	74-09-24	--	--	--

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)
HOWARD COUNTY										
16N 11W18CCCA1	41 21 08	098 37 44	01	121OGLL	--	74-09-24	--	--	--	67
16N 11W18DDAA1	41 21 16	098 36 47	01	121OGLL	150	74-09-23	--	--	--	82
16N 11W30DADA1	41 19 35	098 36 48	01	121OGLL	120	74-09-24	--	--	--	110
16N 11W34ACAD1	41 19 05	098 33 34	01	110SDGV	48	74-09-23	--	--	--	120
LANCASTER COUNTY										
12N 6E35ADA 1	40 58 07	096 42 05	01	211DKOT	53	74-03-19	58	1400	0	130
				211DKOT	53	74-05-15	--	--	--	--
LOGAN COUNTY										
19N 28W24DBDA1	41 36 04	100 29 15	01	112SDHL	--	74-08-20	69	20	0	9.3
LOUP COUNTY										
22N 18W35BADB1	41 50 25	099 22 06	01	121OGLL	150	74-08-01	58	20	0	14
23N 18W 7AADC1	41 58 58	099 26 12	01	110SDGV	42	74-08-01	53	100	140	39
MERRICK COUNTY										
12N 8W35ADDA1	40 58 06	098 11 14	01	110SDGV	9.0	73-12-11	--	--	--	--
				110SDGV	9.0	74-01-15	--	--	--	--
				110SDGV	9.0	74-02-14	--	--	--	--
				110SDGV	9.0	74-03-19	--	--	--	--
				110SDGV	9.0	74-04-22	--	--	--	--
				110SDGV	9.0	74-05-23	--	--	--	--
				110SDGV	9.0	74-06-25	25	--	--	120
				110SDGV	9.0	74-07-16	--	--	--	--
				110SDGV	9.0	74-08-31	--	--	--	--
				110SDGV	9.0	74-09-16	--	--	--	--
12N 8W35CCB 1	40 57 42	098 12 16	01	112SDGV	22	74-03-19	--	--	--	--
				112SDGV	22	74-06-25	24	--	--	100
				112SDGV	22	74-09-16	--	20	50	--
15N 6W34DDA 1	41 13 22	097 59 02	01	112SDGV	50	74-03-19	--	--	--	--
				112SDGV	50	74-06-24	32	--	--	60
				112SDGV	50	74-09-16	--	20	0	--
15N 6W34DDD 2	41 13 16	097 59 07	02	110WDBS	16	73-12-10	--	--	--	--
				110WDBS	16	74-01-15	--	--	--	--
				110WDBS	16	74-02-15	--	--	--	--
				110WDBS	16	74-03-19	--	--	--	--
				110WDBS	16	74-04-22	--	--	--	--
				110WDBS	16	74-05-23	--	--	--	--
				110WDBS	16	74-06-24	15	--	--	11
				110WDBS	16	74-07-16	--	--	--	--
				110WDBS	16	74-08-31	--	--	--	--
				110WDBS	16	74-09-16	--	--	--	--
15N 7W34BCC 1	41 13 43	098 06 55	01	112SDGV	60	74-03-19	--	--	--	--
				112SDGV	60	74-06-24	52	--	--	47
				112SDGV	60	74-09-16	--	10	0	--
15N 7W34CBBB1	41 14 10	098 06 58	01	110WDBS	25	73-12-12	--	--	--	--
				110WDBS	25	74-01-15	--	--	--	--
				110WDBS	25	74-02-14	--	--	--	--
				110WDBS	25	74-03-19	--	--	--	--
				110WDBS	25	74-04-22	--	--	--	--
				110WDBS	25	74-05-23	--	--	--	--
				110WDBS	25	74-06-24	29	--	--	54
				110WDBS	25	74-07-16	--	--	--	--
				110WDBS	25	74-08-31	--	--	--	--
				110WDBS	25	74-09-16	--	--	--	--
15N 8W 7DBC 1	41 16 57	098 16 38	01	121OGLL	42	74-09-20	--	--	--	95
MORRILL COUNTY										
19N 48W30BCAD1	41 35 35	102 54 03	01	123CDRNB	518	74-05-29	12	30	0	9.9
19N 50W11CA 1	41 37 50	103 03 13	01	123CDRNB	454	74-05-29	25	70	0	5.2
NANCE COUNTY										
15N 8W10BBAA1	41 17 32	098 13 40	01	121OGLL	140	74-09-19	--	--	--	90
16N 6W14ABAC1	41 21 52	097 58 10	01	121OGLL	70	74-09-19	--	--	--	110
16N 6W21ADCD1	41 20 40	098 00 18	01	110SDGV	--	74-09-19	--	--	--	99
16N 6W31BBBB1	41 19 20	098 03 30	01	110SDGV	32	74-09-19	--	--	--	99
16N 7W27DCD 1	41 19 23	098 06 10	01	121OGLL	80	74-09-19	--	--	--	95
16N 7W31DBBD1	41 18 50	098 09 47	01	121OGLL	210	74-09-19	--	--	--	87
16N 8W14DDDD1	41 21 06	098 11 36	01	112SDGV	240	74-05-23	57	50	0	83
PERKINS COUNTY										
9N 37W 18CA 1	40 46 49	101 29 11	01	121OGLL	--	74-06-25	53	20	0	48

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)
HOWARD COUNTY										
16N 11W18CCCA1	74-09-24	11	7.1	--	--	--	--	--	--	--
16N 11W18DDAA1	74-09-23	12	10	--	--	--	--	--	--	--
16N 11W30DADA1	74-09-24	15	12	--	--	--	--	--	--	--
16N 11W34ACAD1	74-09-23	17	18	--	--	--	--	--	--	--
LANCASTER COUNTY										
12N 6E35ADA 1	74-03-19	38	54	9.5	344	0	49	44	.5	--
	74-05-15	--	--	--	--	--	--	--	--	--
LOGAN COUNTY										
19N 28W24DBDA1	74-08-20	1.5	4.9	6.5	53	0	2.2	1.6	.2	--
LOUP COUNTY										
22N 18W35BADB1	74-08-01	2.0	5.3	3.8	86	0	3.7	.8	.2	--
23N 18W 7AADC1	74-08-01	7.9	5.7	5.8	144	0	14	3.4	.1	--
MERRICK COUNTY										
12N 8W35ADDA1	73-12-11	--	--	--	--	--	--	24	--	--
	74-01-15	--	--	--	--	--	--	17	--	--
	74-02-14	--	--	--	--	--	--	19	--	--
	74-03-19	--	--	--	--	--	--	16	--	--
	74-04-22	--	--	--	--	--	--	16	--	--
	74-05-23	--	--	--	--	--	--	17	--	--
	74-06-25	31	57	10	377	0	170	18	.6	1.0
	74-07-16	--	--	--	--	--	--	17	--	--
	74-08-31	--	--	--	--	--	--	18	--	--
	74-09-16	--	--	--	--	--	--	19	--	--
12N 8W35CCB 1	74-03-19	--	--	--	--	--	--	20	--	--
	74-06-25	21	30	5.7	298	0	120	19	.3	.43
	74-09-16	--	--	--	--	--	--	24	--	--
15N 6W34DDA 1	74-03-19	--	--	--	--	--	--	20	--	--
	74-06-24	13	19	27	81	0	52	22	.1	.24
	74-09-16	--	--	--	--	--	--	35	--	--
15N 6W34DDD 2	73-12-10	--	--	--	--	--	--	28	--	--
	74-01-15	--	--	--	--	--	--	34	--	--
	74-02-15	--	--	--	--	--	--	35	--	--
	74-03-19	--	--	--	--	--	--	40	--	--
	74-04-22	--	--	--	--	--	--	2.5	--	--
	74-05-23	--	--	--	--	--	--	5.0	--	--
	74-06-24	2.8	7.6	3.4	54	0	16	2.4	.1	2.4
	74-07-16	--	--	--	--	--	--	4.5	--	--
	74-08-31	--	--	--	--	--	--	2.3	--	--
	74-09-16	--	--	--	--	--	--	2.7	--	--
15N 7W34BCC 1	74-03-19	--	--	--	--	--	--	3.0	--	--
	74-06-24	10	6.0	7.6	181	0	23	3.0	.4	.20
	74-09-16	--	--	--	--	--	--	2.7	--	--
15N 7W34CBBB1	73-12-12	--	--	--	--	--	--	3.5	--	--
	74-01-15	--	--	--	--	--	--	5.5	--	--
	74-02-14	--	--	--	--	--	--	5.7	--	--
	74-03-19	--	--	--	--	--	--	3.5	--	--
	74-04-22	--	--	--	--	--	--	4.5	--	--
	74-05-23	--	--	--	--	--	--	5.5	--	--
	74-06-24	11	13	14	141	0	27	3.8	.2	3.2
	74-07-16	--	--	--	--	--	--	5.5	--	--
	74-08-31	--	--	--	--	--	--	4.4	--	--
	74-09-16	--	--	--	--	--	--	4.5	--	--
15N 8W 7DBC 1	74-09-20	14	10	--	--	--	--	--	--	--
MORRILL COUNTY										
19N 48W30BCAD1	74-05-29	3.1	300	7.3	423	0	120	170	1.0	--
19N 50W11CA 1	74-05-29	1.7	310	7.4	419	0	69	190	1.1	--
NANCE COUNTY										
15N 8W10BBAA1	74-09-19	13	9.0	--	--	--	--	--	--	--
16N 6W14ABAC1	74-09-19	25	31	--	--	--	--	--	--	--
16N 6W21ADCD1	74-09-19	16	11	--	--	--	--	--	--	--
16N 6W31BBBB1	74-09-19	27	25	--	--	--	--	--	--	--
16N 7W27DCD 1	74-09-19	17	10	--	--	--	--	--	--	--
16N 7W31DBBD1	74-09-19	12	7.7	--	--	--	--	--	--	--
16N 8W14DDDD1	74-05-23	11	8.8	6.8	327	0	7.2	2.5	.3	--
PERKINS COUNTY										
9N 37W 1BCA 1	74-06-25	13	8.6	9.5	204	0	10	15	.5	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT-I-FIER	DATE OF SAMPLE	AMMONIA NITRO-GEN (N) (MG/L) (00610)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRITE (N) (MG/L) (00615)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRATE (N) (MG/L) (00620)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)
HOWARD COUNTY										
16N 11W18CCCA1	74-09-24	--	--	--	--	--	--	--	--	1.2
16N 11W18DDAA1	74-09-23	--	--	--	--	--	--	--	--	.95
16N 11W30DADA1	74-09-24	--	--	--	--	--	--	--	--	7.0
16N 11W34ACAD1	74-09-23	--	--	--	--	--	--	--	--	2.4
LANCASTER COUNTY										
12N 6E35ADA 1	74-03-19	--	--	--	--	--	--	--	--	51
	74-05-15	.01	--	--	--	--	--	--	--	--
LOGAN COUNTY										
19N 28W24DBDA1	74-08-20	--	--	--	--	--	--	--	--	.65
LOUP COUNTY										
22N 18W35BADB1	74-08-01	--	--	--	--	--	--	--	--	.11
23N 18W 7AADC1	74-08-01	--	--	--	--	--	--	--	--	1.9
MERRICK COUNTY										
12N 8W35ADDA1	73-12-11	--	--	--	--	--	--	--	--	--
	74-01-15	.06	--	--	--	.04	--	21	--	--
	74-02-14	.61	--	--	--	.43	--	19	--	--
	74-03-19	.64	.51	--	--	.10	.08	12	12	12
	74-04-22	.35	.36	--	--	.15	.10	13	11	11
	74-05-23	.44	--	--	--	.28	--	13	--	--
	74-06-25	.06	--	19	1.1	--	--	--	--	17
	74-07-16	.07	--	--	--	.09	--	17	--	--
	74-08-31	.02	--	--	--	.01	--	14	--	--
	74-09-16	.03	--	--	--	.00	--	15	--	--
12N 8W35CCB 1	74-03-19	.05	--	--	--	.00	--	6.0	--	--
	74-06-25	.01	--	6.5	.44	--	--	--	--	4.5
	74-09-16	.01	--	--	--	.01	--	7.6	--	--
15N 6W34DDA 1	74-03-19	.06	--	--	--	.00	--	28	--	--
	74-06-24	.01	--	37	.25	--	--	--	--	34
	74-09-16	.03	--	--	--	.00	--	50	--	--
15N 6W34DDD 2	73-12-10	--	--	--	--	--	--	--	--	--
	74-01-15	.30	--	--	--	.02	--	.11	--	--
	74-02-15	.27	--	--	--	.03	--	.11	--	--
	74-03-19	.46	.21	--	--	.05	.03	.21	.17	.20
	74-04-22	.13	.12	--	--	.05	.02	.13	.52	.54
	74-05-23	.26	--	--	--	.04	--	.47	--	--
	74-06-24	.17	--	2.7	2.6	--	--	--	--	.16
	74-07-16	.67	--	--	--	.00	--	.13	--	--
	74-08-31	.24	--	--	--	.01	--	.12	--	--
	74-09-16	.07	--	--	--	.01	--	.64	--	--
.5N 7W34BCC 1	74-03-19	.04	--	--	--	.00	--	1.5	--	--
	74-06-24	.04	--	2.0	.24	--	--	--	--	2.1
	74-09-16	.01	--	--	--	.00	--	1.4	--	--
15N 7W34CBBB1	73-12-12	--	--	--	--	--	--	--	--	--
	74-01-15	.96	--	--	--	.05	--	20	--	--
	74-02-14	.87	--	--	--	.03	--	20	--	--
	74-03-19	.97	.74	--	--	.26	.26	15	15	15
	74-04-22	.45	.09	--	--	.10	.31	19	19	19
	74-05-23	.46	--	--	--	.40	--	20	--	--
	74-06-24	.04	--	25	3.2	--	--	--	--	21
	74-07-16	.07	--	--	--	.02	--	12	--	--
	74-08-31	.14	--	--	--	.19	--	26	--	--
	74-09-16	.17	--	--	--	.28	--	27	--	--
15N 8W 7DBC 1	74-09-20	--	--	--	--	--	--	--	--	1.3
MORRILL COUNTY										
19N 48W30BCAD1	74-05-29	--	--	--	--	--	--	--	--	.01
19N 50W11CA 1	74-05-29	--	--	--	--	--	--	--	--	.01
NANCE COUNTY										
15N 8W10BBAA1	74-09-19	--	--	--	--	--	--	--	--	.80
16N 6W14ABAC1	74-09-19	--	--	--	--	--	--	--	--	2.1
16N 6W21ADCD1	74-09-19	--	--	--	--	--	--	--	--	6.2
16N 6W31BBBB1	74-09-19	--	--	--	--	--	--	--	--	4.1
16N 7W27DCD 1	74-09-19	--	--	--	--	--	--	--	--	1.7
16N 7W31DBBD1	74-09-19	--	--	--	--	--	--	--	--	1.2
16N 8W14DDDD1	74-05-23	--	--	--	--	--	--	--	--	.88
PERKINS COUNTY										
9N 37W 18CA 1	74-06-25	--	--	--	--	--	--	--	--	2.4

LOCAL IDENT-I-FIER	DATE OF SAMPLE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
HOWARD COUNTY										
16N 11W18CCCA1	74-09-24	--	--	--	332	--	210	--	.2	492
16N 11W18DDAA1	74-09-23	--	--	--	343	--	250	--	.3	512
16N 11W30DADA1	74-09-24	--	--	--	384	--	340	--	.3	628
16N 11W34ACAD1	74-09-23	--	--	--	462	--	370	--	.4	730
LANCASTER COUNTY										
12N 6E35ADA 1	74-03-19	--	.10	90	--	772	450	170	1.1	1180
	74-05-15	--	--	--	--	--	--	--	--	--
LOGAN COUNTY										
19N 28W24DBDA1	74-08-20	--	.32	10	--	124	29	0	.4	93
LOUP COUNTY										
22N 18W35BADB1	74-08-01	--	.21	10	--	121	43	0	.4	116
23N 18W 7AADC1	74-08-01	--	.33	20	--	209	130	12	.2	286
MERRICK COUNTY										
12N 8W35ADDA1	73-12-11	--	--	--	--	--	--	--	--	983
	74-01-15	--	--	--	--	--	--	--	--	1080
	74-02-14	--	--	--	--	--	--	--	--	1090
	74-03-19	--	--	--	--	--	--	--	--	948
	74-04-22	--	--	--	--	--	--	--	--	1020
	74-05-23	--	--	--	--	--	--	--	--	1020
	74-06-25	.49	.05	100	705	693	430	120	1.2	1030
	74-07-16	--	--	--	--	--	--	--	--	997
	74-08-31	--	--	--	--	--	--	--	--	1060
	74-09-16	--	--	--	--	--	--	--	--	1050
12N 8W35CCB 1	74-03-19	--	--	--	--	--	--	--	--	850
	74-06-25	.06	.01	40	508	487	340	92	.7	790
	74-09-16	--	--	--	--	--	--	--	--	909
15N 6W34DDA 1	74-03-19	--	--	--	--	--	--	--	--	566
	74-06-24	.84	.78	60	463	416	200	140	.6	630
	74-09-16	--	--	--	--	--	--	--	--	840
15N 6W34DDD 2	73-12-10	--	--	--	--	--	--	--	--	258
	74-01-15	--	--	--	--	--	--	--	--	345
	74-02-15	--	--	--	--	--	--	--	--	299
	74-03-19	--	--	--	--	--	--	--	--	186
	74-04-22	--	--	--	--	--	--	--	--	146
	74-05-23	--	--	--	--	--	--	--	--	177
	74-06-24	1.3	.08	40	100	86	39	0	.5	136
	74-07-16	--	--	--	--	--	--	--	--	159
	74-08-31	--	--	--	--	--	--	--	--	131
	74-09-16	--	--	--	--	--	--	--	--	120
15N 7W34BCC 1	74-03-19	--	--	--	--	--	--	--	--	335
	74-06-24	.45	.45	30	241	248	160	10	.2	339
	74-09-16	--	--	--	--	--	--	--	--	340
15N 7W34CBBB1	73-12-12	--	--	--	--	--	--	--	--	414
	74-01-15	--	--	--	--	--	--	--	--	594
	74-02-14	--	--	--	--	--	--	--	--	512
	74-03-19	--	--	--	--	--	--	--	--	450
	74-04-22	--	--	--	--	--	--	--	--	486
	74-05-23	--	--	--	--	--	--	--	--	426
	74-06-24	1.8	.02	100	352	315	180	64	.4	472
	74-07-16	--	--	--	--	--	--	--	--	517
	74-08-31	--	--	--	--	--	--	--	--	501
	74-09-16	--	--	--	--	--	--	--	--	510
15N 8W 7DBC 1	74-09-20	--	--	--	383	--	300	--	.3	588
MORRILL COUNTY										
19N 48W30BCAD1	74-05-29	--	.02	1200	--	833	37	0	21	1410
19N 50W11CA 1	74-05-29	--	.04	1500	--	818	20	0	30	1390
NANCE COUNTY										
15N 8W10BBAA1	74-09-19	--	--	--	357	--	280	--	.2	555
16N 6W14ABAC1	74-09-19	--	--	--	544	--	380	--	.7	817
16N 6W21ADCD1	74-09-19	--	--	--	420	--	310	--	.3	636
16N 6W31BBBB1	74-09-19	--	--	--	483	--	360	--	.6	757
16N 7W27DCD 1	74-09-19	--	--	--	400	--	310	--	.2	620
16N 7W31DBBD1	74-09-19	--	--	--	349	--	270	--	.2	530
16N 8W14DDDD1	74-05-23	--	.17	40	--	342	250	0	.2	524
PERKINS COUNTY										
9N 37W 18CA 1	74-06-25	--	.02	60	--	269	170	6	.3	412

LOCAL IDENT- I- FIER	DATE OF SAMPLE	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (BE) (UG/L) (01010)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COBALT (CO) (UG/L) (01035)
HOWARD COUNTY										
16N 11W18CCCA1	74-09-24	7.0	--	--	--	--	--	--	--	--
16N 11W18DDAA1	74-09-23	6.9	--	--	--	--	--	--	--	--
16N 11W30DADA1	74-09-24	7.0	--	--	--	--	--	--	--	--
16N 11W34ACAD1	74-09-23	6.9	--	--	--	--	--	--	--	--
LANCASTER COUNTY										
12N 6E35ADA 1	74-03-19	7.1	2	--	--	--	--	--	--	--
	74-05-15	--	--	--	--	--	--	--	--	--
LOGAN COUNTY										
19N 28W24DBDA1	74-08-20	--	2	--	--	--	--	--	--	--
LOUP COUNTY										
22N 18W35BADB1	74-08-01	--	1	--	--	--	--	--	--	--
23N 18W 7AADC1	74-08-01	--	3	0	4	100	0	0	0	0
MERRICK COUNTY										
12N 8W35ADDA1	73-12-11	--	--	--	--	--	--	--	--	--
	74-01-15	--	--	--	--	--	--	--	--	--
	74-02-14	--	--	--	--	--	--	--	--	--
	74-03-19	--	--	--	--	--	--	--	--	--
	74-04-22	--	--	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--	--	--
	74-06-25	7.3	3	--	--	--	--	--	--	--
	74-07-16	--	--	--	--	--	--	--	--	--
	74-08-31	--	--	--	--	--	--	--	--	--
	74-09-16	--	--	--	--	--	--	--	--	--
12N 8W35CCB 1	74-03-19	--	--	--	--	--	--	--	--	--
	74-06-25	7.6	1	--	--	--	--	--	--	--
	74-09-16	--	--	0	1	200	0	0	0	0
15N 6W34DDA 1	74-03-19	--	--	--	--	--	--	--	--	--
	74-06-24	7.2	2	--	--	--	--	--	--	--
	74-09-16	--	--	20	4	300	0	0	0	0
15N 6W34DDD 2	73-12-10	--	--	--	--	--	--	--	--	--
	74-01-15	--	--	--	--	--	--	--	--	--
	74-02-15	--	--	--	--	--	--	--	--	--
	74-03-19	--	--	--	--	--	--	--	--	--
	74-04-22	--	--	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--	--	--
	74-06-24	7.0	5	--	--	--	--	--	--	--
	74-07-16	--	--	--	--	--	--	--	--	--
	74-08-31	--	--	--	--	--	--	--	--	--
	74-09-16	--	--	--	--	--	--	--	--	--
15N 7W34BCC 1	74-03-19	--	--	--	--	--	--	--	--	--
	74-06-24	7.8	1	--	--	--	--	--	--	--
	74-09-16	--	--	0	13	200	0	0	0	0
15N 7W34CBBB1	73-12-12	--	--	--	--	--	--	--	--	--
	74-01-15	--	--	--	--	--	--	--	--	--
	74-02-14	--	--	--	--	--	--	--	--	--
	74-03-19	--	--	--	--	--	--	--	--	--
	74-04-22	--	--	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--	--	--
	74-06-24	6.8	8	--	--	--	--	--	--	--
	74-07-16	--	--	--	--	--	--	--	--	--
	74-08-31	--	--	--	--	--	--	--	--	--
	74-09-16	--	--	--	--	--	--	--	--	--
15N 8W 7DBC 1	74-09-20	6.3	--	--	--	--	--	--	--	--
MORRILL COUNTY										
19N 48W30BCAD1	74-05-29	8.1	2	--	--	--	--	--	--	--
19N 50W11CA 1	74-05-29	8.1	3	20	27	0	0	0	0	1
NANCE COUNTY										
15N 8W10BBAA1	74-09-19	6.3	--	--	--	--	--	--	--	--
16N 6W14ABAC1	74-09-19	6.7	--	--	--	--	--	--	--	--
16N 6W21ADCD1	74-09-19	6.6	--	--	--	--	--	--	--	--
16N 6W31BBBB1	74-09-19	6.3	--	--	--	--	--	--	--	--
16N 7W27DCD 1	74-09-19	6.7	--	--	--	--	--	--	--	--
16N 7W31DBBD1	74-09-19	6.7	--	--	--	--	--	--	--	--
16N 8W14DDDD1	74-05-23	--	--	--	--	--	--	--	--	--
PERKINS COUNTY										
9N 37W 18CA 1	74-06-25	--	1	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED LITHIUM (LI) (UG/L) (01130)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED MOLYB- DENUM (MO) (UG/L) (01060)	DIS- SOLVED NICKEL (NI) (UG/L) (01065)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)
HOWARD COUNTY								
16N 11W18CCCA1	74-09-24	--	--	--	--	--	--	--
16N 11W18DDAA1	74-09-23	--	--	--	--	--	--	--
16N 11W30DADA1	74-09-24	--	--	--	--	--	--	--
16N 11W34ACAD1	74-09-23	--	--	--	--	--	--	--
LANCASTER COUNTY								
12N 6E35ADA 1	74-03-19	--	--	--	--	--	--	--
	74-05-15	--	--	--	--	--	--	--
LOGAN COUNTY								
19N 28W24DBDA1	74-08-20	--	--	--	--	--	--	4
LOUP COUNTY								
22N 18W35BADB1	74-08-01	--	--	--	--	--	--	2
23N 18W 7AADC1	74-08-01	4	0	0	.0	0	2	0
MERRICK COUNTY								
12N 8W35ADDA1	73-12-11	--	--	--	--	--	--	--
	74-01-15	--	--	--	--	--	--	--
	74-02-14	--	--	--	--	--	--	--
	74-03-19	--	--	--	--	--	--	--
	74-04-22	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--
	74-07-16	--	--	--	--	--	--	--
	74-08-31	--	--	--	--	--	--	--
	74-09-16	--	--	--	--	--	--	--
12N 8W35CCB 1	74-03-19	--	--	--	--	--	--	--
	74-06-25	--	--	--	--	--	--	--
	74-09-16	30	2	25	.0	3	3	--
15N 6W34DDA 1	74-03-19	--	--	--	--	--	--	--
	74-06-24	--	--	--	--	--	--	--
	74-09-16	11	0	0	.0	1	6	--
15N 6W34DDD 2	73-12-10	--	--	--	--	--	--	--
	74-01-15	--	--	--	--	--	--	--
	74-02-15	--	--	--	--	--	--	--
	74-03-19	--	--	--	--	--	--	--
	74-04-22	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--
	74-06-24	--	--	--	--	--	--	--
	74-07-16	--	--	--	--	--	--	--
	74-08-31	--	--	--	--	--	--	--
	74-09-16	--	--	--	--	--	--	--
15N 7W34BCC 1	74-03-19	--	--	--	--	--	--	--
	74-06-24	--	--	--	--	--	--	--
	74-09-16	48	0	13	.0	1	0	--
15N 7W34CBBB1	73-12-12	--	--	--	--	--	--	--
	74-01-15	--	--	--	--	--	--	--
	74-02-14	--	--	--	--	--	--	--
	74-03-19	--	--	--	--	--	--	--
	74-04-22	--	--	--	--	--	--	--
	74-05-23	--	--	--	--	--	--	--
	74-06-24	--	--	--	--	--	--	--
	74-07-16	--	--	--	--	--	--	--
	74-08-31	--	--	--	--	--	--	--
	74-09-16	--	--	--	--	--	--	--
15N 8W 7DBC 1	74-09-20	--	--	--	--	--	--	--
MORRILL COUNTY								
19N 48W30BCAD1	74-05-29	--	--	--	--	--	--	0
19N 50W11CA 1	74-05-29	1	1	40	.0	13	5	0
NANCE COUNTY								
15N 8W10BBAA1	74-09-19	--	--	--	--	--	--	--
16N 6W14ABAC1	74-09-19	--	--	--	--	--	--	--
16N 6W21ADCD1	74-09-19	--	--	--	--	--	--	--
16N 6W31BBBB1	74-09-19	--	--	--	--	--	--	--
16N 7W27DCD 1	74-09-19	--	--	--	--	--	--	--
16N 7W31DBBD1	74-09-19	--	--	--	--	--	--	--
16N 6W14DDDD1	74-05-23	--	--	--	--	--	--	3
PERKINS COUNTY								
9N 37W 1BCA 1	74-06-25	--	--	--	--	--	--	2

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED STRON- TIUM (SR) (UG/L) (01080)	DIS- SOLVED VANA- DIUM (V) (UG/L) (01085)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
HOWARD COUNTY				
16N 11W18CCCA1	74-09-24	--	--	--
16N 11W18DDAA1	74-09-23	--	--	--
16N 11W30DADA1	74-09-24	--	--	--
16N 11W34ACAD1	74-09-23	--	--	--
LANCASTER COUNTY				
12N 6E35ADA 1	74-03-19	--	--	--
	74-05-15	--	--	--
LOGAN COUNTY				
19N 28W24DBDA1	74-08-20	--	--	--
LOUP COUNTY				
22N 18W35BADB1	74-08-01	--	--	--
23N 18W 7AADC1	74-08-01	190	3.2	80
MERRICK COUNTY				
12N 8W35ADDA1	73-12-11	--	--	--
	74-01-15	--	--	--
	74-02-14	--	--	--
	74-03-19	--	--	--
	74-04-22	--	--	--
	74-05-23	--	--	--
	74-06-25	--	--	--
	74-07-16	--	--	--
	74-08-31	--	--	--
	74-09-16	--	--	--
12N 8W35CCB 1	74-03-19	--	--	--
	74-06-25	--	--	--
	74-09-16	820	1.4	40
15N 6W34DDA 1	74-03-19	--	--	--
	74-06-24	--	--	--
	74-09-16	740	1.1	60
15N 6W34DDD 2	73-12-10	--	--	--
	74-01-15	--	--	--
	74-02-15	--	--	--
	74-03-19	--	--	--
	74-04-22	--	--	--
	74-05-23	--	--	--
	74-06-24	--	--	--
	74-07-16	--	--	--
	74-08-31	--	--	--
	74-09-16	--	--	--
15N 7W34BCC 1	74-03-19	--	--	--
	74-06-24	--	--	--
	74-09-16	160	9.4	20
15N 7W34CBB1	73-12-12	--	--	--
	74-01-15	--	--	--
	74-02-14	--	--	--
	74-03-19.	--	--	--
	74-04-22	--	--	--
	74-05-23	--	--	--
	74-06-24	--	--	--
	74-07-16	--	--	--
	74-08-31	--	--	--
	74-09-16	--	--	--
15N 8W 7DBC 1	74-09-20	--	--	--
MORRILL COUNTY				
19N 48W30BCAD1	74-05-29	--	--	--
19N 50W11CA 1	74-05-29	200	4.2	40
NANCE COUNTY				
15N 8W10BBAA1	74-09-19	--	--	--
16N 6W14ABAC1	74-09-19	--	--	--
16N 6W21ADCD1	74-09-19	--	--	--
16N 6W31BBBB1	74-09-19	--	--	--
16N 7W27DCD 1	74-09-19	--	--	--
16N 7W31DBBD1	74-09-19	--	--	--
16N 8W14DDDD1	74-05-23	--	--	--
PERKINS COUNTY				
9N 37W 18CA 1	74-06-25	--	--	--

LOCAL IDENT- I- FIER	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	GEO- LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS- SOLVED SILICA (SIO2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)
PERKINS COUNTY										
9N 38W14BBDD1	40 45 10	101 37 20	01	121OGLL	370	74-06-20	53	20	0	44
9N 39W 5CAAD1	40 46 40	101 47 33	01	121OGLL	381	74-06-25	53	20	60	43
9N 41W 6BBD 1	40 46 29	102 02 09	01	121OGLL	263	74-06-20	54	20	0	38
10N 36W13BACC1	40 50 24	101 22 43	01	121OGLL	600	74-06-25	51	20	0	38
10N 37W33ABDC1	40 47 44	101 32 13	01	121OGLL	340	74-06-20	46	20	0	40
11N 35W10ADC 1	40 56 18	101 17 18	01	121OGLL	--	74-06-25	59	30	170	42
11N 37W32CCD 1	40 52 25	101 34 15	01	121OGLL	--	74-06-25	48	10	0	47
11N 40W12ADD 1	40 56 16	101 49 30	01	121OGLL	395	74-06-20	41	50	0	53
11N 41W14CCC 1	40 55 06	101 58 23	01	121OGLL	402	74-06-25	46	60	0	39
PLATTE COUNTY										
19N 4W24CDCD1	41 35 55	097 44 03	01	112SDGV	150	74-05-22	48	20	20	77
POLK COUNTY										
13N 4W21CCD 2	41 04 34	097 47 11	02	112SDGV	150	74-02-14	38	10	0	87
14N 1W 9DCA 1	41 11 45	097 25 46	01	112SDGV	270	74-02-14	47	30	0	72
ROCK COUNTY										
25N 20W24DBB 1	42 07 10	099 35 30	01	112SDGV	75	74-08-01	59	60	240	19
SALINE COUNTY										
8N 3E20BAD 1	40 39 02	097 06 49	01	112SDGV	190	74-02-19	32	40	230	72
SCOTTS BLUFF COUNTY										
21N 55W 8AABD1	41 48 44	103 42 59	01	123CDRNB	555	74-05-09	55	240	20	6.9
21N 55W26BBB 1	41 46 12	103 40 23	01	123BRUL	80	74-06-13	76	10	0	100
21N 58W 2ADD 1	41 49 19	104 00 13	01	211FXHL	230	74-05-09	12	20	0	3.3
SEWARD COUNTY										
11N 1E29BC 1	40 53 30	097 20 48	01	112SDGV	254	74-02-14	40	40	0	68
11N 2E26AD 9	40 53 43	097 09 39	09	112SDGV	117	74-02-14	35	60	0	78
SHERIDAN COUNTY										
26N 42W 3AD 1	42 15 50	102 11 52	01	112SDGV	277	74-08-22	54	20	0	21
SHERMAN COUNTY										
15N 16W 7DCCC1	41 16 48	099 11 37	01	121OGLL	230	74-06-18	58	20	10	85
THAYER COUNTY										
4N 4W 8BCB 1	40 19 57	097 48 03	01	112SDGV	80	74-05-10	23	20	0	150
THOMAS COUNTY										
21N 28W23ACB 1	41 46 42	100 31 20	01	110SDGV	--	74-08-20	56	10	2800	13
VALLEY COUNTY										
17N 13W 4ABAA1	41 28 49	098 48 48	01	121OGLL	300	74-09-25	--	--	--	110
17N 13W 8AAAD1	41 27 55	098 49 40	01	121OGLL	100	74-09-25	--	--	--	93
17N 13W 8BD 1	41 27 20	098 49 49	01	121OGLL	287	74-09-26	--	--	--	93
17N 13W11DAAA1	41 27 32	098 46 15	01	121OGLL	--	74-09-25	--	--	--	93
17N 14W 6BCD 1	41 28 29	098 58 39	01	112SDGV	504	74-09-26	--	--	--	120
17N 14W12ADAB1	41 27 45	098 52 04	01	121OGLL	130	74-09-25	--	--	--	85
17N 15W22DCDC1	41 25 27	099 01 36	01	112SDGV	200	74-06-18	74	30	0	100
18N 13W12ACDA1	41 32 52	098 45 24	01	121OGLL	150	74-09-25	--	--	--	82
18N 14W 6CBAC1	41 33 34	098 58 43	01	112SDGV	125	74-09-27	--	--	--	100
18N 14W22DADD1	41 30 53	098 54 17	01	121OGLL	195	74-09-26	--	--	--	96
18N 14W32AABD1	41 29 40	098 56 45	01	121OGLL	150	74-09-26	--	--	--	120
18N 14W34ABAB1	41 29 43	098 54 39	01	121OGLL	210	74-09-26	--	--	--	91
18N 14W35CCCC1	41 28 54	098 54 13	01	121OGLL	--	74-09-26	--	--	--	92
18N 15W 4AAAA1	41 34 02	099 02 25	01	112SDGV	150	74-09-27	--	--	--	110
18N 15W13ADDC1	41 31 55	098 59 00	01	121OGLL	248	74-09-27	--	--	--	100
18N 15W22AABC1	41 31 22	099 01 24	01	121OGLL	125	74-09-27	--	--	--	110
18N 16W27ACBD1	41 30 17	099 08 05	01	121OGLL	165	74-06-18	41	20	120	140
WHEELER COUNTY										
23N 12W12BABD1	41 59 08	098 39 28	01	112SDHL	--	74-08-01	50	20	0	21
YORK COUNTY										
9N 4W 6AC 1	40 46 46	097 48 51	01	112SDGV	171	74-02-14	34	50	0	67

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	TOTAL ORGANIC NITRO- GEN (N) (MG/L) (00605)
PERKINS COUNTY										
9N 38W14BBDD1	74-06-20	9.5	8.2	9.5	180	0	11	6.7	.7	--
9N 39W 5CAAD1	74-06-25	9.2	9.3	7.7	179	0	11	6.1	.5	--
9N 41W 6DBD 1	74-06-20	8.5	15	7.8	171	0	16	3.4	.7	--
10N 36W13BACC1	74-06-25	12	17	9.3	194	0	16	3.8	.6	--
10N 37W33ABDC1	74-06-20	11	11	9.9	186	0	13	4.1	.7	--
11N 35W10ADC 1	74-06-25	12	--	11	189	--	22	3.9	--	--
11N 37W32CCD 1	74-06-25	13	8.0	9.9	211	0	12	6.7	.5	--
11N 40W12ADD 1	74-06-20	16	11	10	187	0	27	23	.6	--
11N 41W14CCC 1	74-06-25	11	16	7.6	194	0	11	4.4	.7	--
PLATTE COUNTY										
19N 4W24CDCD1	74-05-22	13	9.9	6.0	307	0	10	3.6	.4	--
POLK COUNTY										
13N 4W21CCD 2	74-02-14	14	27	7.6	346	0	26	7.0	.7	--
14N 1W 9DCA 1	74-02-14	11	14	7.6	278	0	22	5.6	.7	--
ROCK COUNTY										
25N 20W24DBB 1	74-08-01	2.4	5.3	4.4	82	0	2.4	.7	.2	--
SALINE COUNTY										
8N 3E20BAD 1	74-02-19	11	23	5.1	273	0	42	10	.7	--
SCOTTS BLUFF COUNTY										
21N 55W 8AABD1	74-05-09	1.6	160	6.4	335	1	31	52	.8	--
21N 55W26BBB 1	74-06-13	19	90	11	353	0	200	22	.4	--
21N 58W 2ADD 1	74-05-09	1.1	290	6.0	693	20	17	7.4	2.0	--
SEWARD COUNTY										
11N 1E29BC 1	74-02-14	12	29	5.7	266	0	27	10	.7	--
11N 2E26AD 9	74-02-14	12	35	7.6	243	0	81	5.9	.7	--
SHERIDAN COUNTY										
26N 42W 3AD 1	74-08-22	2.8	6.1	6.4	86	0	6.0	1.3	.3	--
SHERMAN COUNTY										
15N 16W 7DCCC1	74-06-18	12	9.2	8.6	318	0	20	3.2	.2	--
THAYER COUNTY										
4N 4W 8BCB 1	74-05-10	34	190	17	270	0	180	120	.1	--
THOMAS COUNTY										
21N 28W23ACB 1	74-08-20	1.8	7.6	4.7	70	0	2.5	1.7	.3	--
VALLEY COUNTY										
17N 13W 4ABAA1	74-09-25	18	17	--	--	--	--	--	--	--
17N 13W 8AAAD1	74-09-25	13	8.2	--	--	--	--	--	--	--
17N 13W 8DD 1	74-09-26	13	10	--	--	--	--	--	--	--
17N 13W11DAAA1	74-09-25	12	12	--	--	--	--	--	--	--
17N 14W 6BCD 1	74-09-26	17	16	--	--	--	--	--	--	--
17N 14W12ADAB1	74-09-25	12	8.5	--	--	--	--	--	--	--
17N 15W22DCDC1	74-06-18	13	7.6	8.0	338	0	45	4.9	.1	--
18N 13W12ACDA1	74-09-25	9.8	10	--	--	--	--	--	--	--
18N 14W 6CBAC1	74-09-27	16	9.0	--	--	--	--	--	--	--
18N 14W22DADD1	74-09-26	15	9.9	--	--	--	--	--	--	--
18N 14W32AABD1	74-09-26	21	15	--	--	--	--	--	--	--
18N 14W34ABAB1	74-09-26	12	8.3	--	--	--	--	--	--	--
18N 14W35CCCC1	74-09-26	14	6.8	--	--	--	--	--	--	--
18N 15W 4AAAA1	74-09-27	15	16	--	--	--	--	--	--	--
18N 15W13ADDC1	74-09-27	15	18	--	--	--	--	--	--	--
18N 15W22AABC1	74-09-27	14	12	--	--	--	--	--	--	--
18N 16W27ACBD1	74-06-18	19	8.8	13	410	0	79	13	.3	--
WHEELER COUNTY										
23N 12W128ABD1	74-08-01	2.4	6.0	3.2	74	0	5.0	.8	.1	--
YORK COUNTY										
9N 4W 6AC 1	74-02-14	11	21	5.8	230	0	32	18	.8	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	AMMONIA NITRO-GEN (N) (MG/L) (00610)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRITE (N) (MG/L) (00615)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRATE (N) (MG/L) (00620)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)
PERKINS COUNTY										
9N 38W14BADD1	74-06-20	--	--	--	--	--	--	--	--	2.0
9N 39W 5CAAD1	74-06-25	--	--	--	--	--	--	--	--	2.0
9N 41W 6DBD 1	74-06-20	--	--	--	--	--	--	--	--	2.0
10N 36W13BACC1	74-06-25	--	--	--	--	--	--	--	--	1.9
10N 37W33ABDC1	74-06-20	--	--	--	--	--	--	--	--	1.9
11N 35W10ADC 1	74-06-25	--	--	--	--	--	--	--	--	3.7
11N 37W32CCD 1	74-06-25	--	--	--	--	--	--	--	--	1.8
11N 40W12ADD 1	74-06-20	--	--	--	--	--	--	--	--	4.1
11N 41W14CCC 1	74-06-25	--	--	--	--	--	--	--	--	2.5
PLATTE COUNTY										
19N 4W24CDCD1	74-05-22	--	--	--	--	--	--	--	--	1.4
POLK COUNTY										
13N 4W21CCD 2	74-02-14	--	--	--	--	--	--	--	--	3.3
14N 1W 9DCA 1	74-02-14	--	--	--	--	--	--	--	--	.77
ROCK COUNTY										
25N 20W24DBB 1	74-08-01	--	--	--	--	--	--	--	--	.70
SALINE COUNTY										
8N 3E20BAD 1	74-02-19	--	--	--	--	--	--	--	--	.08
SCOTTS BLUFF COUNTY										
21N 55W 8AABD1	74-05-09	--	--	--	--	--	--	--	--	.75
21N 55W26BBB 1	74-06-13	--	--	--	--	--	--	--	--	4.7
21N 58W 2ADD 1	74-05-09	--	--	--	--	--	--	--	--	.11
SEWARD COUNTY										
11N 1E29BC 1	74-02-14	--	--	--	--	--	--	--	--	7.8
11N 2E26AD 9	74-02-14	--	--	--	--	--	--	--	--	6.5
SHERIDAN COUNTY										
26N 42W 3AD 1	74-08-22	--	--	--	--	--	--	--	--	1.5
SHERMAN COUNTY										
15N 16W 7DCCC1	74-06-18	--	--	--	--	--	--	--	--	1.4
THAYER COUNTY										
4N 4W 8BCB 1	74-05-10	--	--	--	--	--	--	--	--	100
THOMAS COUNTY										
21N 28W23ACB 1	74-08-20	--	--	--	--	--	--	--	--	.56
VALLEY COUNTY										
17N 13W 4ABAA1	74-09-25	--	--	--	--	--	--	--	--	1.4
17N 13W 8AAAD1	74-09-25	--	--	--	--	--	--	--	--	1.2
17N 13W 8DD 1	74-09-26	--	--	--	--	--	--	--	--	1.1
17N 13W11DAAA1	74-09-25	--	--	--	--	--	--	--	--	1.1
17N 14W 6BCD 1	74-09-26	--	--	--	--	--	--	--	--	2.8
17N 14W12ADAB1	74-09-25	--	--	--	--	--	--	--	--	1.1
17N 15W22DCDC1	74-06-18	--	--	--	--	--	--	--	--	1.4
18N 13W12ACDA1	74-09-25	--	--	--	--	--	--	--	--	1.5
18N 14W 6CBAC1	74-09-27	--	--	--	--	--	--	--	--	.82
18N 14W22DADD1	74-09-26	--	--	--	--	--	--	--	--	1.4
18N 14W32AABD1	74-09-26	--	--	--	--	--	--	--	--	.05
18N 14W34ABAB1	74-09-26	--	--	--	--	--	--	--	--	1.1
18N 14W35CCCC1	74-09-26	--	--	--	--	--	--	--	--	.22
18N 15W 4AAAA1	74-09-27	--	--	--	--	--	--	--	--	1.2
18N 15W13ADDC1	74-09-27	--	--	--	--	--	--	--	--	3.7
18N 15W22AABC1	74-09-27	--	--	--	--	--	--	--	--	3.5
18N 16W27ACBD1	74-06-18	--	--	--	--	--	--	--	--	1.2
WHEELER COUNTY										
23N 12W12BABD1	74-08-01	--	--	--	--	--	--	--	--	3.0
YORK COUNTY										
9N 4W 6AC 1	74-02-14	--	--	--	--	--	--	--	--	4.9

LOCAL IDENT-I-FIER	DATE OF SAMPLE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
PERKINS COUNTY										
9N 38W14BBDD1	74-06-20	--	.05	40	--	240	150	1	.3	345
9N 39W 5CAAD1	74-06-25	--	.02	60	--	237	150	0	.3	345
9N 41W 6DBD 1	74-06-20	--	.05	50	--	237	130	0	.6	331
10N 36W13BACC1	74-06-25	--	.01	90	--	252	140	0	.6	365
10N 37W33ABDC1	74-06-20	--	.04	60	--	236	150	0	.4	351
11N 35W10ADC 1	74-06-25	--	--	90	--	--	160	0	--	385
11N 37W32CCD 1	74-06-25	--	.04	60	--	257	170	0	.3	388
11N 40W12ADD 1	74-06-20	--	.05	60	--	292	200	45	.3	469
11N 41W14CCC 1	74-06-25	--	.02	70	--	243	140	0	.6	357
PLATTE COUNTY										
19N 4W24CDCD1	74-05-22	--	.25	40	--	326	250	0	.3	506
POLK COUNTY										
13N 4W21CCD 2	74-02-14	--	.38	60	--	393	280	0	.7	625
14N 1W 9DCA 1	74-02-14	--	.28	50	--	320	230	0	.4	497
ROCK COUNTY										
25N 20W24DBB 1	74-08-01	--	.16	20	--	137	57	0	.3	143
SALINE COUNTY										
8N 3E20BAD 1	74-02-19	--	.15	80	--	331	230	1	.7	529
SCOTTS BLUFF COUNTY										
21N 55W 8AABD1	74-05-09	--	.09	450	--	485	24	0	14	764
21N 55W26BBB 1	74-06-13	--	--	230	--	713	330	38	2.2	1030
21N 58W 2ADD 1	74-05-09	--	.06	390	--	702	13	0	35	1120
SEWARD COUNTY										
11N 1E29BC 1	74-02-14	--	.21	60	--	359	220	1	.9	550
11N 2E26AD 9	74-02-14	--	.29	60	--	404	240	45	1.0	618
SHERIDAN COUNTY										
26N 42W 3AD 1	74-08-22	--	.11	30	--	147	64	0	.3	163
SHERMAN COUNTY										
15N 16W 7DCCC1	74-06-18	--	.13	60	--	359	260	1	.2	536
THAYER COUNTY										
4N 4W 8BCB 1	74-05-10	--	.22	300	--	1290	510	290	3.6	1880
THOMAS COUNTY										
21N 28W23ACB 1	74-08-20	--	.20	20	--	127	40	0	.5	121
VALLEY COUNTY										
17N 13W 4ABAA1	74-09-25	--	--	--	463	--	350	--	.4	686
17N 13W 8AAAD1	74-09-25	--	--	--	381	--	290	--	.2	553
17N 13W 8DD 1	74-09-26	--	--	--	339	--	290	--	.3	563
17N 13W11DAAA1	74-09-25	--	--	--	395	--	280	--	.3	580
17N 14W 6BCD 1	74-09-26	--	--	--	509	--	370	--	.4	752
17N 14W12ADAB1	74-09-25	--	--	--	364	--	260	--	.2	526
17N 15W22DCDC1	74-06-18	--	.08	60	--	426	300	26	.2	610
18N 13W12ACDA1	74-09-25	--	--	--	297	--	250	--	.3	428
18N 14W 6CBAC1	74-09-27	--	--	--	410	--	320	--	.2	625
18N 14W22DADD1	74-09-26	--	--	--	394	--	300	--	.2	598
18N 14W32AABD1	74-09-26	--	--	--	481	--	390	--	.3	737
18N 14W34ABAB1	74-09-26	--	--	--	381	--	280	--	.2	552
18N 14W35CCCC1	74-09-26	--	--	--	381	--	290	--	.2	561
18N 15W 4AAAA1	74-09-27	--	--	--	450	--	340	--	.4	700
18N 15W13ADDC1	74-09-27	--	--	--	433	--	310	--	.4	658
18N 15W22AABC1	74-09-27	--	--	--	495	--	330	--	.3	717
18N 16W27ACBD1	74-06-18	--	.12	90	--	522	430	92	.2	836
WHEELER COUNTY										
23N 12W12BABD1	74-08-01	--	.09	10	--	138	62	2	.3	157
YORK COUNTY										
9N 4W 6AC 1	74-02-14	--	.24	30	--	325	210	24	.6	521

LOCAL IDENT-I-FIER	DATE OF SAMPLE	PH (UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)
PERKINS COUNTY										
9N 38W14BBDD1	74-06-20	--	1	--	--	--	--	--	--	--
9N 39W 5CAAD1	74-06-25	--	1	--	--	--	--	--	--	--
9N 41W 6DBD 1	74-06-20	--	1	10	9	100	0	0	0	0
10N 36W13BACC1	74-06-25	--	1	--	--	--	--	--	--	--
10N 37W33ABDC1	74-06-20	--	1	--	--	--	--	--	--	--
11N 35W10ADC 1	74-06-25	--	3	10	7	<100	0	1	0	0
11N 37W32CCD 1	74-06-25	--	1	--	--	--	--	--	--	--
11N 40W12ADD 1	74-06-20	--	1	--	--	--	--	--	--	--
11N 41W14CCC 1	74-06-25	--	1	--	--	--	--	--	--	--
PLATTE COUNTY										
19N 4W24CDCD1	74-05-22	--	2	--	--	--	--	--	--	--
POLK COUNTY										
13N 4W21CCD 2	74-02-14	7.3	3	--	--	--	--	--	--	--
14N 1W 9DCA 1	74-02-14	7.3	3	--	--	--	--	--	--	--
ROCK COUNTY										
25N 20W24DBB 1	74-08-01	--	1	--	--	--	--	--	--	--
SALINE COUNTY										
8N 3E20BAD 1	74-02-19	7.5	5	--	--	--	--	--	--	--
SCOTTS BLUFF COUNTY										
21N 55W 8AABD1	74-05-09	8.4	5	0	18	0	10	0	10	0
21N 55W26BBB 1	74-06-13	--	2	--	--	--	--	--	--	--
21N 58W 2ADD 1	74-05-09	8.6	3	10	9	0	10	0	10	0
SEWARD COUNTY										
11N 1E29BC 1	74-02-14	7.2	3	--	--	--	--	--	--	--
11N 2E26AD 9	74-02-14	7.1	3	--	--	--	--	--	--	--
SHERIDAN COUNTY										
26N 42W 3AD 1	74-08-22	--	2	--	--	--	--	--	--	--
SHERMAN COUNTY										
15N 16W 7DCCC1	74-06-18	7.7	1	--	--	--	--	--	--	--
THAYER COUNTY										
4N 4W 8BCB 1	74-05-10	7.1	3	--	--	--	--	--	--	--
THOMAS COUNTY										
21N 28W23ACB 1	74-08-20	--	1	--	--	--	--	--	--	--
VALLEY COUNTY										
17N 13W 4ABAA1	74-09-25	7.1	--	--	--	--	--	--	--	--
17N 13W 8AAAD1	74-09-25	7.3	--	--	--	--	--	--	--	--
17N 13W 8DD 1	74-09-26	7.1	--	--	--	--	--	--	--	--
17N 13W11DAAA1	74-09-25	7.4	--	--	--	--	--	--	--	--
17N 14W 6BCD 1	74-09-26	7.4	--	--	--	--	--	--	--	--
17N 14W12ADAB1	74-09-25	7.2	--	--	--	--	--	--	--	--
17N 15W22DCDC1	74-06-18	7.7	1	--	--	--	--	--	--	--
18N 13W12ACDA1	74-09-25	7.1	--	--	--	--	--	--	--	--
18N 14W 6CBAC1	74-09-27	7.2	--	--	--	--	--	--	--	--
18N 14W22DADD1	74-09-26	7.1	--	--	--	--	--	--	--	--
18N 14W32AABD1	74-09-26	6.9	--	--	--	--	--	--	--	--
18N 14W34ABAB1	74-09-26	7.1	--	--	--	--	--	--	--	--
18N 14W35CCCC1	74-09-26	7.3	--	--	--	--	--	--	--	--
18N 15W 4AAAA1	74-09-27	7.2	--	--	--	--	--	--	--	--
18N 15W13ADDC1	74-09-27	7.3	--	--	--	--	--	--	--	--
18N 15W22AABC1	74-09-27	7.2	--	--	--	--	--	--	--	--
18N 16W27ACBD1	74-06-18	7.6	2	--	--	--	--	--	--	--
WHEELER COUNTY										
23N 12W12BABD1	74-08-01	--	2	--	--	--	--	--	--	--
YORK COUNTY										
9N 4W 6AC 1	74-02-14	7.3	5	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED LITHIUM (LI) (UG/L) (01130)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED MOLYB- DENUM (MO) (UG/L) (01060)	DIS- SOLVED NICKEL (NI) (UG/L) (01065)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)
PERKINS COUNTY								
9N 38W14BBDD1	74-06-20	--	--	--	--	--	--	2
9N 39W 5CAAD1	74-06-25	--	--	--	--	--	--	0
9N 41W 6DBD 1	74-06-20	1	3	20	.1	5	2	14
10N 36W13BACC1	74-06-25	--	--	--	--	--	--	0
10N 37W33ABDC1	74-06-20	--	--	--	--	--	--	1
11N 35W10ADC 1	74-06-25	10	2	20	.0	2	0	0
11N 37W32CCD 1	74-06-25	--	--	--	--	--	--	2
11N 40W12ADD 1	74-06-20	--	--	--	--	--	--	4
11N 41W14CCC 1	74-06-25	--	--	--	--	--	--	0
PLATTE COUNTY								
19N 4W24CDCD1	74-05-22	--	--	--	--	--	--	5
POLK COUNTY								
13N 4W21CCD 2	74-02-14	14	--	--	--	--	--	--
14N 1W 9DCA 1	74-02-14	14	--	--	--	--	--	--
ROCK COUNTY								
25N 20W24DBB 1	74-08-01	--	--	--	--	--	--	1
SALINE COUNTY								
8N 3E20BAD 1	74-02-19	31	--	--	--	--	--	--
SCOTTS BLUFF COUNTY								
21N 55W 8AABD1	74-05-09	1	0	20	.0	2	0	1
21N 55W26BBB 1	74-06-13	--	--	--	--	--	--	3
21N 58W 2ADD 1	74-05-09	0	0	10	.0	18	0	0
SEWARD COUNTY								
11N 1E29BC 1	74-02-14	--	--	--	--	--	--	--
11N 2E26AD 9	74-02-14	17	--	--	--	--	--	--
SHERIDAN COUNTY								
26N 42W 3AD 1	74-08-22	--	--	--	--	--	--	2
SHERMAN COUNTY								
15N 16W 7DCCC1	74-06-18	--	--	--	--	--	--	3
THAYER COUNTY								
4N 4W 8BCB 1	74-05-10	--	--	--	--	--	--	--
THOMAS COUNTY								
21N 28W23ACB 1	74-08-20	--	--	--	--	--	--	1
VALLEY COUNTY								
17N 13W 4ABAA1	74-09-25	--	--	--	--	--	--	--
17N 13W 8AAAD1	74-09-25	--	--	--	--	--	--	--
17N 13W 8DD 1	74-09-26	--	--	--	--	--	--	--
17N 13W11DAAA1	74-09-25	--	--	--	--	--	--	--
17N 14W 6BCD 1	74-09-26	--	--	--	--	--	--	--
17N 14W12ADAB1	74-09-25	--	--	--	--	--	--	--
17N 15W22DCDC1	74-06-18	--	--	--	--	--	--	1
18N 13W12ACDA1	74-09-25	--	--	--	--	--	--	--
18N 14W 6CBAC1	74-09-27	--	--	--	--	--	--	--
18N 14W22DADD1	74-09-26	--	--	--	--	--	--	--
18N 14W32AABD1	74-09-26	--	--	--	--	--	--	--
18N 14W34ABAB1	74-09-26	--	--	--	--	--	--	--
18N 14W35CCCC1	74-09-26	--	--	--	--	--	--	--
18N 15W 4AAAA1	74-09-27	--	--	--	--	--	--	--
18N 15W13ADDC1	74-09-27	--	--	--	--	--	--	--
18N 15W22AABC1	74-09-27	--	--	--	--	--	--	--
18N 16W27ACBD1	74-06-18	--	--	--	--	--	--	6
WHEELER COUNTY								
23N 12W12BABD1	74-08-01	--	--	--	--	--	--	1
YORK COUNTY								
9N 4W 6AC 1	74-02-14	13	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED STRON- TIUM (SR) (UG/L) (01080)	DIS- SOLVED VANA- DIUM (V) (UG/L) (01085)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
PERKINS COUNTY				
9N 38W14BBDD1	74-06-20	--	--	--
9N 39W 5CAAD1	74-06-25	--	--	--
9N 41W 6DBD 1	74-06-20	390	23	30
10N 36W13BACC1	74-06-25	--	--	--
10N 37W33ABDC1	74-06-20	--	--	--
11N 35W10ADC 1	74-06-25	510	16	20
11N 37W32CCD 1	74-06-25	--	--	--
11N 40W12ADD 1	74-06-20	--	--	--
11N 41W14CCC 1	74-06-25	--	--	--
PLATTE COUNTY				
19N 4W24CDCD1	74-05-22	--	--	--
POLK COUNTY				
13N 4W21CCD 2	74-02-14	--	--	40
14N 1W 9DCA 1	74-02-14	--	--	30
ROCK COUNTY				
25N 20W24DBB 1	74-08-01	--	--	--
SALINE COUNTY				
8N 3E20BAD 1	74-02-19	--	--	50
SCOTTS BLUFF COUNTY				
21N 55W 8AABD1	74-05-09	300	7.4	430
21N 55W26BBB 1	74-06-13	--	--	--
21N 58W 2ADD 1	74-05-09	170	2.8	100
SEWARD COUNTY				
11N 1E29BC 1	74-02-14	--	--	250
11N 2E26AD 9	74-02-14	--	--	70
SHERIDAN COUNTY				
26N 42W 3AD 1	74-08-22	--	--	--
SHERMAN COUNTY				
15N 16W 7DCCC1	74-06-18	--	--	--
THAYER COUNTY				
4N 4W 8BCB 1	74-05-10	--	--	--
THOMAS COUNTY				
21N 28W23ACB 1	74-08-20	--	--	--
VALLEY COUNTY				
17N 13W 4ABAA1	74-09-25	--	--	--
17N 13W 8AAAD1	74-09-25	--	--	--
17N 13W 8DD 1	74-09-26	--	--	--
17N 13W11DAAA1	74-09-25	--	--	--
17N 14W 6BCD 1	74-09-26	--	--	--
17N 14W12ADAB1	74-09-25	--	--	--
17N 15W22DCDC1	74-06-18	--	--	--
18N 13W12ACDA1	74-09-25	--	--	--
18N 14W 6CBAC1	74-09-27	--	--	--
18N 14W22DADD1	74-09-26	--	--	--
18N 14W32AABD1	74-09-26	--	--	--
18N 14W34ABAB1	74-09-26	--	--	--
18N 14W35CCCC1	74-09-26	--	--	--
18N 15W 4AAAA1	74-09-27	--	--	--
18N 15W13ADDC1	74-09-27	--	--	--
18N 15W22AABC1	74-09-27	--	--	--
18N 16W27ACBD1	74-06-18	--	--	--
WHEELER COUNTY				
23N 12W12BABD1	74-08-01	--	--	--
YORK COUNTY				
9N 4W 6AC 1	74-02-14	--	--	50

LOCAL IDENT- I- FIER	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	GEO- LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS- SOLVED SILICA (SIO2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)
YORK COUNTY										
11N 2W31CA 1	40 52 42	097 35 24	01	112SDGV	138	74-02-14	41	20	17	77
12N 1W11BC 2	41 01 37	097 24 13	02	112SDGV	156	74-02-14	41	30	0	82

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	TOTAL ORGANIC NITRO- GEN (N) (MG/L) (00605)
11N 2W31CA 1	74-02-14	14	36	7.3	291	0	39	15	.7	--
12N 1W11BC 2	74-02-14	12	25	6.5	324	0	19	5.2	.7	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	TOTAL NITRO- GEN (N) (MG/L) (00600)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL NITRITE (N) (MG/L) (00615)	DIS- SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRATE (N) (MG/L) (00620)	DIS- SOLVED NITRATE (N) (MG/L) (00618)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)
11N 2W31CA 1	74-02-14	--	--	--	--	--	--	--	--	5.6
12N 1W11BC 2	74-02-14	--	--	--	--	--	--	--	--	3.6

LOCAL IDENT- I- FIER	DATE OF SAMPLE	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)
11N 2W31CA 1	74-02-14	--	.36	80	--	398	250	11	1.0	625
12N 1W11BC 2	74-02-14	--	.28	60	--	367	250	0	.7	578

LOCAL IDENT- I- FIER	DATE OF SAMPLE	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (BE) (UG/L) (01010)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COBALT (CO) (UG/L) (01035)
11N 2W31CA 1	74-02-14	7.2	3	--	--	--	--	--	--	--
12N 1W11BC 2	74-02-14	7.2	3	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED LITHIUM (LI) (UG/L) (01130)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED MOLYB- DENUM (MO) (UG/L) (01060)	DIS- SOLVED NICKEL (NI) (UG/L) (01065)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)
11N 2W31CA 1	74-02-14	25	--	--	--	--	--	--
12N 1W11BC 2	74-02-14	27	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED STRON- TIUM (SR) (UG/L) (01080)	DIS- SOLVED VANA- DIUM (V) (UG/L) (01085)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
11N 2W31CA 1	74-02-14	--	--	40
12N 1W11BC 2	74-02-14	--	--	70

PESTICIDE DETERMINATIONS

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	ALDRIN (UG/L) (39330)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)
BUFFALO COUNTY										
8N 16W 2AC 1	40 41 38	099 05 30	01	112SDGV	47	74-09-17	.00	.0	.00	.00
8N 16W 2DC 1	40 41 12	099 05 30	01	112SDGV	58	74-09-17	.00	.0	.00	.00
9N 14W13DB 1	40 44 46	098 50 36	01	112SDGV	55	74-09-18	.00	.0	.00	.00
9N 14W18CCBC1	40 44 43	098 56 56	01	112SDGV	60	74-09-17	.00	.0	.00	.00
9N 15W31CBC 1	40 42 12	099 03 51	01	112SDGV	62	74-09-17	.00	.0	.00	.00
9N 15W31CD 1	40 42 05	099 03 26	01	112SDGV	60	74-09-17	.00	.0	.00	.00
9N 18W28ADC 1	40 43 26	099 22 20	01	121OGLL	320	74-09-17	.00	.0	.00	.00
DAWSON COUNTY										
9N 21W 8BB 1	40 46 16	099 44 45	01	112SDGV	58	74-09-17	.00	.0	.00	.00
9N 21W31BABB1	40 42 52	099 45 42	01	112SDGV	74	74-09-17	.00	.0	.00	.00
12N 25W32BBA 1	40 58 24	100 12 03	01	112SDGV	120	74-09-17	.00	.0	.00	.00
HALL COUNTY										
11N 9W 8DA 2	40 56 08	098 21 37	02	112SDGV	101	74-09-18	.00	.0	.00	.00
11N 9W29DAAA1	40 53 42	098 21 32	01	112SDGV	--	74-09-16	.00	.0	.00	.00
11N 10W 2DA 1	40 57 00	098 23 57	01	112SDGV	60	74-09-18	.00	.0	.00	.00
11N 10W14DCCB3	40 55 06	098 24 23	03	112SDGV	90	74-09-18	.00	.0	.00	.00
11N 11W36CBB 1	40 52 48	098 30 38	01	112SDGV	52	74-09-18	.00	.0	.00	.00
11N 12W13AAAA1	40 55 52	098 35 30	01	112SDGV	55	74-09-18	.00	.0	.00	.00
MERRICK COUNTY										
12N 8W35CCB 1	40 57 42	098 12 16	01	112SDGV	22	74-09-16	.00	.0	.00	.00
15N 6W34DDA 1	41 13 22	097 59 02	01	112SDGV	50	74-09-16	.00	.0	.00	.00
15N 7W34BCC 1	41 13 43	098 06 55	01	112SDGV	60	74-09-16	.00	.0	.00	.00

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DDT (UG/L) (39370)	DI-AZINON (UG/L) (39570)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	LINDANE (UG/L) (39340)	MALA-THION (UG/L) (39530)	METHYL PARA-THION (UG/L) (39600)
BUFFALO COUNTY										
8N 16W 2AC 1	74-09-17	.00	.00	.00	.00	.00	.00	.00	.00	.00
8N 16W 2DC 1	74-09-17	.00	.00	.00	.00	.00	.00	.00	.00	.00
9N 14W13DB 1	74-09-18	.00	.00	.00	.00	.00	.00	.00	.00	.00
9N 14W18CCBC1	74-09-17	.00	.00	.00	.00	.00	.00	.00	.00	.00
9N 15W31CBC 1	74-09-17	.00	.00	.00	.00	.00	.00	.00	.00	.00
9N 15W31CD 1	74-09-17	.00	.00	.00	.00	.00	.00	.00	.00	.00
9N 18W28ADC 1	74-09-17	.00	.00	.00	.00	.00	.00	.00	.00	.00
DAWSON COUNTY										
9N 21W 8BB 1	74-09-17	.00	.00	.00	.00	.00	.00	.00	.00	.00
9N 21W31BABB1	74-09-17	.00	.00	.00	.00	.00	.00	.00	.00	.00
12N 25W32BBA 1	74-09-17	.00	.00	.00	.00	.00	.00	.00	.00	.00
HALL COUNTY										
11N 9W 8DA 2	74-09-18	.00	.00	.00	.00	.00	.00	.00	.00	.00
11N 9W29DAAA1	74-09-16	.00	.00	.00	.00	.00	.00	.00	.00	.00
11N 10W 2DA 1	74-09-18	.00	.00	.00	.00	.00	.00	.00	.00	.00
11N 10W14DCCB3	74-09-18	.00	.00	.00	.00	.00	.00	.00	.00	.00
11N 11W36CBB 1	74-09-18	.00	.00	.00	.00	.00	.00	.00	.00	.00
11N 12W13AAAA1	74-09-18	.00	.00	.00	.00	.00	.00	.00	.00	.00
MERRICK COUNTY										
12N 8W35CCB 1	74-09-16	.00	.00	.00	.00	.00	.00	.00	.00	.00
15N 6W34DDA 1	74-09-16	.02	.00	.01	.00	.00	.00	.02	.00	.00
15N 7W34BCC 1	74-09-16	.00	.02	.00	.00	.00	.00	.00	.00	.00

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

PESTICIDE DETERMINATIONS

LOCAL IDENT- I- FIER	DATE OF SAMPLE	PARA- THION (UG/L) (39540)	PCB (UG/L) (39516)	TOX- APHENE (UG/L) (39400)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)
BUFFALO COUNTY							
8N 16W 2AC 1	74-09-17	.00	.0	0	.00	.00	.00
8N 16W 2DC 1	74-09-17	.00	.0	0	.00	.00	.00
9N 14W13DB 1	74-09-18	.00	.0	0	.00	.00	.00
9N 14W18CCBC1	74-09-17	.00	.0	0	.00	.00	.00
9N 15W31CBC 1	74-09-17	.00	.0	0	.00	.00	.00
9N 15W31CD 1	74-09-17	.00	.0	0	.00	.00	.00
9N 18W28ADC 1	74-09-17	.00	.0	0	.00	.00	.00
DAWSON COUNTY							
9N 21W 8BB 1	74-09-17	.00	.0	0	.00	.00	.00
9N 21W31BABB1	74-09-17	.00	.0	0	.00	.00	.00
12N 25W32BBA 1	74-09-17	.00	.0	0	--	--	--
HALL COUNTY							
11N 9W 8DA 2	74-09-18	.00	.0	0	.00	.00	.00
11N 9W29DAAA1	74-09-16	.00	.0	0	.00	.00	.00
11N 10W 2DA 1	74-09-18	.00	.0	0	.00	.00	.00
11N 10W14DCCB3	74-09-18	.00	.0	0	.00	.00	.00
11N 11W36CBB 1	74-09-18	.00	.0	0	.00	.00	.00
11N 12W13AAAA1	74-09-18	.00	.0	0	.00	.00	.00
MERRICK COUNTY							
12N 8W35CCB 1	74-09-16	.00	.0	0	.00	.00	.00
15N 6W34DDA 1	74-09-16	.00	.0	0	.00	.00	.00
15N 7W34BCC 1	74-09-16	.00	.0	0	.00	.00	.00

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